

Janine E Deakin

List of Publications by Year in descending order

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97
papers

4,965
citations

109137

35
h-index

102304

66
g-index

100
all docs

100
docs citations

100
times ranked

5200
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome of the marsupial <i>Monodelphis domestica</i> reveals innovation in non-coding sequences. <i>Nature</i> , 2007, 447, 167-177.	13.7	661
2	Genome analysis of the platypus reveals unique signatures of evolution. <i>Nature</i> , 2008, 453, 175-183.	13.7	657
3	Bird-like sex chromosomes of platypus imply recent origin of mammal sex chromosomes. <i>Genome Research</i> , 2008, 18, 965-973.	2.4	268
4	Genome sequence of an Australian kangaroo, <i>Macropus eugenii</i> , provides insight into the evolution of mammalian reproduction and development. <i>Genome Biology</i> , 2011, 12, R81.	13.9	167
5	Adaptation and conservation insights from the koala genome. <i>Nature Genetics</i> , 2018, 50, 1102-1111.	9.4	163
6	Reconstructing an Ancestral Mammalian Immune Supercomplex from a Marsupial Major Histocompatibility Complex. <i>PLoS Biology</i> , 2006, 4, e46.	2.6	150
7	Defensins and the convergent evolution of platypus and reptile venom genes. <i>Genome Research</i> , 2008, 18, 986-994.	2.4	137
8	A unique T cell receptor discovered in marsupials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9776-9781.	3.3	119
9	The Status of Dosage Compensation in the Multiple X Chromosomes of the Platypus. <i>PLoS Genetics</i> , 2008, 4, e1000140.	1.5	102
10	Characterization of the opossum immune genome provides insights into the evolution of the mammalian immune system. <i>Genome Research</i> , 2007, 17, 982-991.	2.4	100
11	High-coverage sequencing and annotated assembly of the genome of the Australian dragon lizard <i>Pogona vitticeps</i> . <i>GigaScience</i> , 2015, 4, 45.	3.3	97
12	Genomic Restructuring in the Tasmanian Devil Facial Tumour: Chromosome Painting and Gene Mapping Provide Clues to Evolution of a Transmissible Tumour. <i>PLoS Genetics</i> , 2012, 8, e1002483.	1.5	92
13	<i>Smchd1</i> regulates a subset of autosomal genes subject to monoallelic expression in addition to being critical for X inactivation. <i>Epigenetics and Chromatin</i> , 2013, 6, 19.	1.8	88
14	Recent Assembly of an Imprinted Domain from Non-Imprinted Components. <i>PLoS Genetics</i> , 2006, 2, e182.	1.5	84
15	Chromosomics: Bridging the Gap between Genomes and Chromosomes. <i>Genes</i> , 2019, 10, 627.	1.0	79
16	Chromosomal Speciation in the Genomics Era: Disentangling Phylogenetic Evolution of Rock-wallabies. <i>Frontiers in Genetics</i> , 2017, 8, 10.	1.1	78
17	Exceptionally high conservation of the MHC class I-related gene, <i>MR1</i> , among mammals. <i>Immunogenetics</i> , 2013, 65, 115-124.	1.2	75
18	The Evolution of Epigenetic Regulators CTCF and BORIS/CTCF1 in Amniotes. <i>PLoS Genetics</i> , 2008, 4, e1000169.	1.5	72

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19	Physical map of two tammar wallaby chromosomes: A strategy for mapping in non-model mammals. <i>Chromosome Research</i> , 2008, 16, 1159-1175.	1.0	63
20	Unravelling the evolutionary origins of X chromosome inactivation in mammals: insights from marsupials and monotremes. <i>Chromosome Research</i> , 2009, 17, 671-685.	1.0	56
21	Evolution and comparative analysis of the bat MHC-I region. <i>Scientific Reports</i> , 2016, 6, 21256.	1.6	56
22	Understanding the Evolution of Reptile Chromosomes through Applications of Combined Cytogenetics and Genomics Approaches. <i>Cytogenetic and Genome Research</i> , 2019, 157, 7-20.	0.6	56
23	The tammar wallaby major histocompatibility complex shows evidence of past genomic instability. <i>BMC Genomics</i> , 2011, 12, 421.	1.2	55
24	Characterizing the chromosomes of the Australian model marsupial <i>Macropus eugenii</i> (tammar). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54</i>	1.0	54
25	Evolution and comparative analysis of the MHC Class III inflammatory region. <i>BMC Genomics</i> , 2006, 7, 281.	1.2	54
26	Antigen-presenting genes and genomic copy number variations in the Tasmanian devil MHC. <i>BMC Genomics</i> , 2012, 13, 87.	1.2	54
27	DMRT gene cluster analysis in the platypus: New insights into genomic organization and regulatory regions. <i>Genomics</i> , 2007, 89, 10-21.	1.3	52
28	Autosomal location of genes from the conserved mammalian X in the platypus (<i>Ornithorhynchus</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 48</i> 401-410.	1.0	48
29	MHC-linked and un-linked class I genes in the wallaby. <i>BMC Genomics</i> , 2009, 10, 310.	1.2	48
30	Anchoring genome sequence to chromosomes of the central bearded dragon (<i>Pogona vitticeps</i>) enables reconstruction of ancestral squamate macrochromosomes and identifies sequence content of the Z chromosome. <i>BMC Genomics</i> , 2016, 17, 447.	1.2	47
31	Activity map of the tammar X chromosome shows that marsupial X inactivation is incomplete and escape is stochastic. <i>Genome Biology</i> , 2010, 11, R122.	13.9	45
32	Platypus globin genes and flanking loci suggest a new insertional model for beta-globin evolution in birds and mammals. <i>BMC Biology</i> , 2008, 6, 34.	1.7	44
33	Sequence and gene content of a large fragment of a lizard sex chromosome and evaluation of candidate sex differentiating gene <i>R-spondin 1</i> . <i>BMC Genomics</i> , 2013, 14, 899.	1.2	41
34	Repetitive Sequence and Sex Chromosome Evolution in Vertebrates. <i>Advances in Evolutionary Biology</i> , 2014, 2014, 1-9.	1.0	41
35	The monotreme genome: a patchwork of reptile, mammal and unique features?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 136, 867-881.	0.8	39
36	Class I genes have split from the MHC in the tammar wallaby. <i>Cytogenetic and Genome Research</i> , 2007, 116, 205-211.	0.6	37

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37	The Evolution of Marsupial and Monotreme Chromosomes. <i>Cytogenetic and Genome Research</i> , 2012, 137, 113-129.	0.6	34
38	A review of complementary mechanisms which protect the developing marsupial pouch young. <i>Developmental and Comparative Immunology</i> , 2012, 37, 213-220.	1.0	31
39	A cross-species comparison of escape from X inactivation in Eutheria: implications for evolution of X chromosome inactivation. <i>Chromosoma</i> , 2012, 121, 71-78.	1.0	30
40	Reconstruction of the ancestral marsupial karyotype from comparative gene maps. <i>BMC Evolutionary Biology</i> , 2013, 13, 258.	3.2	30
41	Chromosome Evolution in Marsupials. <i>Genes</i> , 2018, 9, 72.	1.0	30
42	Extreme Telomere Length Dimorphism in the Tasmanian Devil and Related Marsupials Suggests Parental Control of Telomere Length. <i>PLoS ONE</i> , 2012, 7, e46195.	1.1	27
43	Independent Evolution of Transcriptional Inactivation on Sex Chromosomes in Birds and Mammals. <i>PLoS Genetics</i> , 2013, 9, e1003635.	1.5	26
44	Tracing the evolution of amniote chromosomes. <i>Chromosoma</i> , 2014, 123, 201-216.	1.0	26
45	Telomeres, species differences, and unusual telomeres in vertebrates: presenting challenges and opportunities to understanding telomere dynamics. <i>AIMS Genetics</i> , 2016, 03, 001-024.	1.9	25
46	Identification of natural killer cell receptor clusters in the platypus genome reveals an expansion of C-type lectin genes. <i>Immunogenetics</i> , 2009, 61, 565-579.	1.2	24
47	Global DNA Methylation patterns on marsupial and devil facial tumour chromosomes. <i>Molecular Cytogenetics</i> , 2015, 8, 74.	0.4	24
48	Developmental Expression of the Androgen Receptor during Virilization of the Urogenital System of a Marsupial1. <i>Biology of Reproduction</i> , 1998, 59, 725-732.	1.2	23
49	Genome sequence of an Australian kangaroo, <i>Macropus eugenii</i> , provides insight into the evolution of mammalian reproduction and development. <i>Genome Biology</i> , 2011, 12, 414.	13.9	22
50	Comparative Genome Analyses Reveal Distinct Structure in the Saltwater Crocodile MHC. <i>PLoS ONE</i> , 2014, 9, e114631.	1.1	22
51	Marsupials and monotremes possess a novel family of MHC class I genes that is lost from the eutherian lineage. <i>BMC Genomics</i> , 2015, 16, 535.	1.2	22
52	Characterisation of and immunity to the aerobic bacteria found in the pouch of the brushtail possum <i>Trichosurus vulpecula</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2004, 27, 33-46.	0.7	21
53	Pathogenesis and Molecular Biology of a Transmissible Tumor in the Tasmanian Devil. <i>Annual Review of Animal Biosciences</i> , 2014, 2, 165-187.	3.6	21
54	Identification of candidate genes for devil facial tumour disease tumorigenesis. <i>Scientific Reports</i> , 2017, 7, 8761.	1.6	20

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55	A first-generation integrated tammar wallaby map and its use in creating a tammar wallaby first-generation virtual genome map. <i>BMC Genomics</i> , 2011, 12, 422.	1.2	19
56	A Comparative Genomics Approach to Understanding Transmissible Cancer in Tasmanian Devils. <i>Annual Review of Genomics and Human Genetics</i> , 2012, 13, 207-222.	2.5	19
57	Evolution of Marsupial Genomes. <i>Annual Review of Animal Biosciences</i> , 2020, 8, 25-45.	3.6	19
58	Identification of Y chromosome markers in the eastern three-lined skink (<i>Bassiana duperreyi</i>) using in silico whole genome subtraction. <i>BMC Genomics</i> , 2020, 21, 667.	1.2	18
59	Linkage mapping and physical localization of the major histocompatibility complex region of the marsupial <i>Monodelphis domestica</i> . <i>Cytogenetic and Genome Research</i> , 2006, 112, 277-285.	0.6	17
60	In Vivo Function and Evolution of the Eutherian-Specific Pluripotency Marker UTF1. <i>PLoS ONE</i> , 2013, 8, e68119.	1.1	17
61	Limited Introgression between Rock-Wallabies with Extensive Chromosomal Rearrangements. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	17
62	Marsupial Genome Sequences: Providing Insight into Evolution and Disease. <i>Scientifica</i> , 2012, 2012, 1-22.	0.6	16
63	High elevation increases the risk of Y chromosome loss in Alpine skink populations with sex reversal. <i>Heredity</i> , 2021, 126, 805-816.	1.2	16
64	High levels of variability in immune response using antigens from two reproductive proteins in brushtail possums. <i>Wildlife Research</i> , 2005, 32, 1.	0.7	15
65	A second-generation anchored genetic linkage map of the tammar wallaby (<i>Macropus eugenii</i>). <i>BMC Genetics</i> , 2011, 12, 72.	2.7	15
66	The Oz Mammals Genomics (OMG) initiative: developing genomic resources for mammal conservation at a continental scale. <i>Australian Zoologist</i> , 2020, 40, 505-509.	0.6	15
67	Isolation of major histocompatibility complex Class I genes from the tammar wallaby (<i>Macropus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	14
68	Origin and evolution of candidate mental retardation genes on the human X chromosome (MRX). <i>BMC Genomics</i> , 2008, 9, 65.	1.2	13
69	Globin gene structure in a reptile supports the transpositional model for amniote $\hat{1}\pm$ - and $\hat{1}^2$ -globin gene evolution. <i>Chromosome Research</i> , 2010, 18, 897-907.	1.0	12
70	The marsupial pouch: implications for reproductive success and mammalian evolution. <i>Australian Journal of Zoology</i> , 2013, 61, 41.	0.6	12
71	Marsupial X chromosome inactivation: past, present and future. <i>Australian Journal of Zoology</i> , 2013, 61, 13.	0.6	12
72	Sex-specific splicing of Z- and W-borne <i>nr5a1</i> alleles suggests sex determination is controlled by chromosome conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	11

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73	Analysis of the genomic region containing the tammar wallaby (<i>Macropus eugenii</i>) orthologues of MHC class III genes. <i>Cytogenetic and Genome Research</i> , 2005, 111, 110-117.	0.6	10
74	Physical mapping of immunoglobulin loci <i>IGH</i> , <i>IGK</i> , and <i>IGL</i> in the opossum (<i>Monodelphis domestica</i>). <i>Cytogenetic and Genome Research</i> , 2006, 114, 94H-94H.	0.6	10
75	Physical mapping of T cell receptor loci <i>TRA</i> , <i>TRB</i> , <i>TRD</i> and <i>TRG</i> in the opossum (<i>Monodelphis domestica</i>). <i>Cytogenetic and Genome Research</i> , 2006, 112, 342K-342K.	0.6	10
76	Replication asynchrony and differential condensation of X chromosomes in female platypus (<i>Ornithorhynchus anatinus</i>). <i>Reproduction, Fertility and Development</i> , 2009, 21, 952.	0.1	10
77	The methylation and telomere landscape in two families of marsupials with different rates of chromosome evolution. <i>Chromosome Research</i> , 2018, 26, 317-332.	1.0	9
78	cDNA Cloning of Growth Hormone from the Brushtail Possum (<i>Trichosurus vulpecula</i>). <i>General and Comparative Endocrinology</i> , 1998, 111, 68-75.	0.8	8
79	Marsupials as models for understanding the role of chromosome rearrangements in evolution and disease. <i>Chromosoma</i> , 2016, 125, 633-644.	1.0	8
80	Cytogenetics: an important inclusion in the conservation genetics toolbox. <i>Pacific Conservation Biology</i> , 2018, 24, 280.	0.5	8
81	Comparative epigenomics: an emerging field with breakthrough potential to understand evolution of epigenetic regulation. <i>AIMS Genetics</i> , 2014, 01, 034-054.	1.9	7
82	Assignment of the DMRT1 gene to tammar wallaby chromosome 3p by fluorescence in situ hybridization. <i>Cytogenetic and Genome Research</i> , 2005, 108, 362E-362E.	0.6	6
83	Physical Mapping of Immune Genes in the Tammar Wallaby & (<i>Macropus eugenii</i>). <i>Cytogenetic and Genome Research</i> , 2009, 127, 21-25.	0.6	5
84	Marsupial Genetics and Genomics. , 2010, , .		5
85	Towards an understanding of the genetic basis behind 1080 (sodium fluoroacetate) tolerance and an investigation of the candidate gene ACO2. <i>Australian Journal of Zoology</i> , 2013, 61, 69.	0.6	5
86	Sexual conflict in action: An antagonistic relationship between maternal and paternal sex allocation in the tammar wallaby, <i>Notamacropus eugenii</i> . <i>Ecology and Evolution</i> , 2019, 9, 4340-4348.	0.8	5
87	Marsupial chromosomics: bridging the gap between genomes and chromosomes. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1189.	0.1	5
88	Physical Mapping of Innate Immune Genes, Mucins and Lysozymes, and Other Non-Mucin Proteins in the Tammar Wallaby & (<i>Macropus eugenii</i>). <i>Cytogenetic and Genome Research</i> , 2011, 135, 118-125.	0.6	4
89	Immunofluorescent staining reveals hypermethylation of microchromosomes in the central bearded dragon, <i>Pogona vitticeps</i> . <i>Molecular Cytogenetics</i> , 2015, 8, 104.	0.4	4
90	Implications of monotreme and marsupial chromosome evolution on sex determination and differentiation. <i>General and Comparative Endocrinology</i> , 2017, 244, 130-138.	0.8	4

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91	Identification of interleukin genes in <i>Pogona vitticeps</i> using a de novo transcriptome assembly from RNA-seq data. <i>Immunogenetics</i> , 2016, 68, 719-731.	1.2	3
92	Physical and Comparative Gene Maps in Marsupials. , 2010, , 101-115.		3
93	Comparative Cytogenetic Mapping and Telomere Analysis Provide Evolutionary Predictions for Devil Facial Tumour 2. <i>Genes</i> , 2020, 11, 480.	1.0	2
94	A peculiar lamin in a peculiar mammal: Expression of lamin LIII in platypus (<i>Ornithorhynchus anatinus</i>). <i>European Journal of Cell Biology</i> , 2015, 94, 522-530.	1.6	1
95	The Evolutionary History of Globin Genes: Insights from Marsupials and Monotremes. , 2010, , 415-433.		0
96	Marsupial Genetics Reveals Insights into Evolution of Mammalian X Chromosome Inactivation. , 2010, , 259-280.		0
97	Solving the Mystery of the Evolution of X Chromosome Inactivation. <i>International Journal of Evolution</i> , 2012, 01, .	0.5	0