

Denis O'Meally

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,120
citations

304743

22
h-index

243625

44
g-index

54
all docs

54
docs citations

54
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex reversal triggers the rapid transition from genetic to temperature-dependent sex. <i>Nature</i> , 2015, 523, 79-82.	27.8	282
2	Sex Chromosome Evolution in Lizards: Independent Origins and Rapid Transitions. <i>Cytogenetic and Genome Research</i> , 2009, 127, 249-260.	1.1	163
3	Adaptation and conservation insights from the koala genome. <i>Nature Genetics</i> , 2018, 50, 1102-1111.	21.4	163
4	Widespread convergence in toxin resistance by predictable molecular evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11911-11916.	7.1	130
5	Are some chromosomes particularly good at sex? Insights from amniotes. <i>Chromosome Research</i> , 2012, 20, 7-19.	2.2	115
6	A SARS-CoV-2 targeted siRNA-nanoparticle therapy for COVID-19. <i>Molecular Therapy</i> , 2021, 29, 2219-2226.	8.2	105
7	High-coverage sequencing and annotated assembly of the genome of the Australian dragon lizard <i>Pogona vitticeps</i> . <i>GigaScience</i> , 2015, 4, 45.	6.4	97
8	Non-homologous sex chromosomes of birds and snakes share repetitive sequences. <i>Chromosome Research</i> , 2010, 18, 787-800.	2.2	79
9	Molecular marker suggests rapid changes of sex-determining mechanisms in Australian dragon lizards. <i>Chromosome Research</i> , 2009, 17, 91-98.	2.2	77
10	Sex Reversal in Reptiles: Reproductive Oddity or Powerful Driver of Evolutionary Change?. <i>Sexual Development</i> , 2016, 10, 279-287.	2.0	72
11	Amplification of microsatellite repeat motifs is associated with the evolutionary differentiation and heterochromatinization of sex chromosomes in Sauropsida. <i>Chromosoma</i> , 2016, 125, 111-123.	2.2	71
12	Draft genome assembly of the invasive cane toad, <i>Rhinella marina</i> . <i>GigaScience</i> , 2018, 7, .	6.4	60
13	Molecular cytogenetic map of the central bearded dragon, <i>Pogona vitticeps</i> (Squamata: Agamidae). <i>Chromosome Research</i> , 2013, 21, 361-374.	2.2	50
14	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.	2.8	47
15	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.	2.8	41
16	Inhibition of CD38 and supplementation of nicotinamide riboside ameliorate lipopolysaccharide-induced microglial and astrocytic neuroinflammation by increasing NAD ⁺ . <i>Journal of Neurochemistry</i> , 2021, 158, 311-327.	3.9	35
17	Evolutionary history of novel genes on the tammar wallaby Y chromosome: Implications for sex chromosome evolution. <i>Genome Research</i> , 2012, 22, 498-507.	5.5	32
18	Development of a SNP-based assay for measuring genetic diversity in the Tasmanian devil insurance population. <i>BMC Genomics</i> , 2015, 16, 791.	2.8	32

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19	Comparative transcriptomics reveals striking similarities between the bovine and feline isolates of <i>Tritrichomonas foetus</i> : consequences for in silico drug-target identification. <i>BMC Genomics</i> , 2014, 15, 955.	2.8	31
20	Major Histocompatibility Complex Genes Map to Two Chromosomes in an Evolutionarily Ancient Reptile, the Tuatara <i>Sphenodon punctatus</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1439-1451.	1.8	28
21	The First Cytogenetic Map of the Tuatara, <i>Sphenodon punctatus</i> . <i>Cytogenetic and Genome Research</i> , 2009, 127, 213-223.	1.1	27
22	Characterisation of the immune compounds in koala milk using a combined transcriptomic and proteomic approach. <i>Scientific Reports</i> , 2016, 6, 35011.	3.3	25
23	Transcriptomic changes in the pre-implantation uterus highlight histotrophic nutrition of the developing marsupial embryo. <i>Scientific Reports</i> , 2018, 8, 2412.	3.3	25
24	State-Transition Analysis of Time-Sequential Gene Expression Identifies Critical Points That Predict Development of Acute Myeloid Leukemia. <i>Cancer Research</i> , 2020, 80, 3157-3169.	0.9	25
25	A simple non-invasive protocol to establish primary cell lines from tail and toe explants for cytogenetic studies in Australian dragon lizards (Squamata: Agamidae). <i>Cytotechnology</i> , 2008, 58, 135-139.	1.6	24
26	Pentastomids of wild snakes in the Australian tropics. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2014, 3, 20-31.	1.5	24
27	Phylogeographic patterns in reptiles on the New England Tablelands at the south-western boundary of the McPherson Macleay Overlap. <i>Australian Journal of Zoology</i> , 2009, 57, 317.	1.0	22
28	Molecular evolution of <i>Dmrt1</i> accompanies change of sex-determining mechanisms in reptilia. <i>Biology Letters</i> , 2014, 10, 20140809.	2.3	20
29	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.	2.8	18
30	Waking the sleeping dragon: gene expression profiling reveals adaptive strategies of the hibernating reptile <i>Pogona vitticeps</i> . <i>BMC Genomics</i> , 2019, 20, 460.	2.8	17
31	The identification of immune genes in the milk transcriptome of the Tasmanian devil (<i>Sarcophilus</i>) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	16
32	The koala immunological toolkit: sequence identification and comparison of key markers of the koala (<i>Phascolarctos cinereus</i>) immune response. <i>Australian Journal of Zoology</i> , 2014, 62, 195.	1.0	15
33	Landscape of DNA Methylation on the Marsupial X. <i>Molecular Biology and Evolution</i> , 2018, 35, 431-439.	8.9	15
34	Characterisation of MHC class I genes in the koala. <i>Immunogenetics</i> , 2018, 70, 125-133.	2.4	15
35	ZW Sex Chromosomes in Australian Dragon Lizards (Agamidae) Originated from a Combination of Duplication and Translocation in the Nucleolar Organising Region. <i>Genes</i> , 2019, 10, 861.	2.4	15
36	Genetic ranking for biological conservation using information from multiple species. <i>Biological Conservation</i> , 2005, 122, 395-407.	4.1	14

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37	Differential Gamma Interferon- and Tumor Necrosis Factor Alpha-Driven Cytokine Response Distinguishes Acute Infection of a Metatherian Host with <i>Toxoplasma gondii</i> and <i>Neospora caninum</i> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	11
38	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, .	7.1	11
39	Characterization of the antimicrobial peptide family defensins in the Tasmanian devil (<i>Sarcophilus Tj ETQq1</i> 1 0.784314 rgBT /Overlo 2017, 69, 133-143.	2.4	10
40	RAMP2-AS1 Regulates Endothelial Homeostasis and Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 635307.	3.7	10
41	Dynamic patterns of microRNA expression during acute myeloid leukemia state-transition. <i>Science Advances</i> , 2022, 8, eabj1664.	10.3	9
42	Broadly active zinc finger protein-guided transcriptional activation of HIV-1. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 18-29.	4.1	8
43	SNP Marker Discovery in Koala TLR Genes. <i>PLoS ONE</i> , 2015, 10, e0121068.	2.5	7
44	Koala cathelicidin PhciCath5 has antimicrobial activity, including against <i>Chlamydia pecorum</i> . <i>PLoS ONE</i> , 2021, 16, e0249658.	2.5	6
45	Pharmacometabonomic association of cyclophosphamide 4 α -hydroxylation in hematopoietic cell transplant recipients. <i>Clinical and Translational Science</i> , 2022, 15, 1215-1224.	3.1	6
46	Report from the First Snake Genomics and Integrative Biology Meeting. <i>Standards in Genomic Sciences</i> , 2012, 7, 150-152.	1.5	4
47	MicroRNA dynamics during hibernation of the Australian central bearded dragon (<i>Pogona vitticeps</i>). <i>Scientific Reports</i> , 2020, 10, 17854.	3.3	4
48	Transcriptome sequencing of the long-nosed bandicoot (<i>Perameles nasuta</i>) reveals conservation and innovation of immune genes in the marsupial order Peramelemorphia. <i>Immunogenetics</i> , 2018, 70, 327-336.	2.4	3
49	Abstract 2393: The systematic evaluation of the oncogenic lncRNA LINC00963 using a CRISPRScan technique. , 2021, , .		0
50	PATH-06. DNA METHYLATION PATTERNS AND IMMUNE MICROENVIRONMENT IN CYSTICGBM. <i>Neuro-Oncology</i> , 2021, 23, vi115-vi116.	1.2	0