

# Denis O'Meally

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1316851/publications.pdf>

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-specific splicing of Z- and W-borne <i>Xist</i> alleles suggests sex determination is controlled by chromosome conformation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
2	Pharmacometabonomic association of cyclophosphamide 4- $\beta$ -hydroxylation in hematopoietic cell transplant recipients. Clinical and Translational Science, 2022, 15, 1215-1224.	3.1	6
3	Dynamic patterns of microRNA expression during acute myeloid leukemia state-transition. Science Advances, 2022, 8, eabj1664.	10.3	9
4	Broadly active zinc finger protein-guided transcriptional activation of HIV-1. Molecular Therapy - Methods and Clinical Development, 2021, 20, 18-29.	4.1	8
5	RAMP2-AS1 Regulates Endothelial Homeostasis and Aging. Frontiers in Cell and Developmental Biology, 2021, 9, 635307.	3.7	10
6	Koala cathelicidin PhciCath5 has antimicrobial activity, including against Chlamydia pecorum. PLoS ONE, 2021, 16, e0249658.	2.5	6
7	Inhibition of CD38 and supplementation of nicotinamide riboside ameliorate lipopolysaccharide-induced microglial and astrocytic neuroinflammation by increasing NAD <sup>+</sup> . Journal of Neurochemistry, 2021, 158, 311-327.	3.9	35
8	A SARS-CoV-2 targeted siRNA-nanoparticle therapy for COVID-19. Molecular Therapy, 2021, 29, 2219-2226.	8.2	105
9	Abstract 2393: The systematic evaluation of the oncogenic lncRNA LINC00963 using a CRISPRScan technique. , 2021, , .		0
10	PATH-06. DNA METHYLATION PATTERNS AND IMMUNE MICROENVIRONMENT IN CYSTICGBM. Neuro-Oncology, 2021, 23, vi115-vi116.	1.2	0
11	MicroRNA dynamics during hibernation of the Australian central bearded dragon (Pogona vitticeps). Scientific Reports, 2020, 10, 17854.	3.3	4
12	Identification of Y chromosome markers in the eastern three-lined skink (Bassiana duperreyi) using in silico whole genome subtraction. BMC Genomics, 2020, 21, 667.	2.8	18
13	State-Transition Analysis of Time-Sequential Gene Expression Identifies Critical Points That Predict Development of Acute Myeloid Leukemia. Cancer Research, 2020, 80, 3157-3169.	0.9	25
14	Waking the sleeping dragon: gene expression profiling reveals adaptive strategies of the hibernating reptile Pogona vitticeps. BMC Genomics, 2019, 20, 460.	2.8	17
15	ZW Sex Chromosomes in Australian Dragon Lizards (Agamidae) Originated from a Combination of Duplication and Translocation in the Nucleolar Organising Region. Genes, 2019, 10, 861.	2.4	15
16	Transcriptomic changes in the pre-implantation uterus highlight histotrophic nutrition of the developing marsupial embryo. Scientific Reports, 2018, 8, 2412.	3.3	25
17	Landscape of DNA Methylation on the Marsupial X. Molecular Biology and Evolution, 2018, 35, 431-439.	8.9	15
18	Transcriptome sequencing of the long-nosed bandicoot (Perameles nasuta) reveals conservation and innovation of immune genes in the marsupial order Peramelemorphia. Immunogenetics, 2018, 70, 327-336.	2.4	3

#	ARTICLE	IF	CITATIONS
19	Characterisation of MHC class I genes in the koala. <i>Immunogenetics</i> , 2018, 70, 125-133.	2.4	15
20	Adaptation and conservation insights from the koala genome. <i>Nature Genetics</i> , 2018, 50, 1102-1111.	21.4	163
21	Draft genome assembly of the invasive cane toad, <i>Rhinella marina</i> . <i>GigaScience</i> , 2018, 7, .	6.4	60
22	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
23	Characterization of the antimicrobial peptide family defensins in the Tasmanian devil ( <i>Sarcophilus Tj ETQq1 1 0.784314 rgBT /Overlock</i> 2017, 69, 133-143.	2.4	10
24	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
25	Sex Reversal in Reptiles: Reproductive Oddity or Powerful Driver of Evolutionary Change?. <i>Sexual Development</i> , 2016, 10, 279-287.	2.0	72
26	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
27	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
28	The identification of immune genes in the milk transcriptome of the Tasmanian devil ( <i>Sarcophilus Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> 2016, 16, 160-169.	2.5	16
29	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
30	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
31	SNP Marker Discovery in Koala TLR Genes. <i>PLoS ONE</i> , 2015, 10, e0121068.	2.5	7
32	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
33	Sex reversal triggers the rapid transition from genetic to temperature-dependent sex. <i>Nature</i> , 2015, 523, 79-82.	27.8	282
34	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
35	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
36	Molecular evolution of <i>Dmrt1</i> accompanies change of sex-determining mechanisms in reptilia. <i>Biology Letters</i> , 2014, 10, 20140809.	2.3	20

#	ARTICLE	IF	CITATIONS
37	Pentastomids of wild snakes in the Australian tropics. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2014, 3, 20-31.	1.5	24
38	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
39	Sequence and gene content of a large fragment of a lizard sex chromosome and evaluation of candidate sex differentiating gene R-spondin 1. <i>BMC Genomics</i> , 2013, 14, 899.	2.8	41
40	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
41	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
42	Report from the First Snake Genomics and Integrative Biology Meeting. <i>Standards in Genomic Sciences</i> , 2012, 7, 150-152.	1.5	4
43	Are some chromosomes particularly good at sex? Insights from amniotes. <i>Chromosome Research</i> , 2012, 20, 7-19.	2.2	115
44	Non-homologous sex chromosomes of birds and snakes share repetitive sequences. <i>Chromosome Research</i> , 2010, 18, 787-800.	2.2	79
45	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
46	Molecular marker suggests rapid changes of sex-determining mechanisms in Australian dragon lizards. <i>Chromosome Research</i> , 2009, 17, 91-98.	2.2	77
47	Sex Chromosome Evolution in Lizards: Independent Origins and Rapid Transitions. <i>Cytogenetic and Genome Research</i> , 2009, 127, 249-260.	1.1	163
48	The First Cytogenetic Map of the Tuatara, <i>Sphenodon punctatus</i> . <i>Cytogenetic and Genome Research</i> , 2009, 127, 213-223.	1.1	27
49	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
50	Genetic ranking for biological conservation using information from multiple species. <i>Biological Conservation</i> , 2005, 122, 395-407.	4.1	14