

# Andrew J Pask

## List of Publications by Year in descending order

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113  
papers

4,112  
citations

185998

28  
h-index

138251

58  
g-index

118  
all docs

118  
docs citations

118  
times ranked

5019  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Genome analysis of the platypus reveals unique signatures of evolution. <i>Nature</i> , 2008, 453, 175-183.  | 13.7 | 657       |
| 2  | Analysis of the platypus genome suggests a transposon origin for mammalian imprinting. <i>Genome Biology</i> , 2009, 10, R1.   | 13.9 | 272       |
| 3  | Retrotransposon Silencing by DNA Methylation Can Drive Mammalian Genomic Imprinting. <i>PLoS Genetics</i> , 2007, 3, e55.  | 1.5  | 181       |
| 4  | Conservation of the H19 noncoding RNA and H19-IGF2 imprinting mechanism in therians. <i>Nature Genetics</i> , 2008, 40, 971-976.   | 9.4  | 169       |
| 5  | 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       |
| 6  | The Evolution of the DLK1-DIO3 Imprinted Domain in Mammals. <i>PLoS Biology</i> , 2008, 6, e135.   | 2.6  | 162       |
| 7  | The Genetic and Environmental Factors Underlying Hypospadias. <i>Sexual Development</i> , 2015, 9, 239-259.  | 1.1  | 142       |
| 8  | Evolution of Genomic Imprinting: Insights from Marsupials and Monotremes. <i>Annual Review of Genomics and Human Genetics</i> , 2009, 10, 241-262.   | 2.5  | 141       |
| 9  | Genomic imprinting of IGF2, p57KIP2 and PEG1/MEST in a marsupial, the tammar wallaby. <i>Mechanisms of Development</i> , 2005, 122, 213-222.   | 1.7  | 132       |
| 10 | Recent Assembly of an Imprinted Domain from Non-Imprinted Components. <i>PLoS Genetics</i> , 2006, 2, e182.  | 1.5  | 84        |
| 11 | Genome of the Tasmanian tiger provides insights into the evolution and demography of an extinct marsupial carnivore. <i>Nature Ecology and Evolution</i> , 2018, 2, 182-192.                   | 3.4  | 78        |
| 12 | The evolution of class V POU domain transcription factors in vertebrates and their characterisation in a marsupial. <i>Developmental Biology</i> , 2010, 337, 162-170.                         | 0.9  | 72        |
| 13 | A Novel Mouse Model of Hypogonadotropic Hypogonadism: N-Ethyl-N-Nitrosourea-Induced Gonadotropin-Releasing Hormone Receptor Gene Mutation. <i>Molecular Endocrinology</i> , 2005, 19, 972-981. | 3.7  | 64        |
| 14 | 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        |
| 15 | Genomic imprinting in marsupial placentation. <i>Reproduction</i> , 2008, 136, 523-531.  | 1.1  | 58        |
| 16 | Oestrogen blocks the nuclear entry of SOX9 in the developing gonad of a marsupial mammal. <i>BMC Biology</i> , 2010, 8, 113.   | 1.7  | 58        |
| 17 | Sex down under: the differentiation of sexual dimorphisms during marsupial development. <i>Reproduction, Fertility and Development</i> , 2001, 13, 679.  | 0.1  | 48        |
| 18 | Evolution of coding and non-coding genes in HOX clusters of a marsupial. <i>BMC Genomics</i> , 2012, 13, 251.  | 1.2  | 47        |

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|----|--|-----|-----------|
| 19 | Early cell lineage specification in a marsupial: a case for diverse mechanisms among mammals. <i>Development (Cambridge)</i> , 2013, 140, 965-975.                         | 1.2 | 46        |
| 20 | DDX4 (VASA) Is Conserved in Germ Cell Development in Marsupials and Monotremes <sup>1</sup> . <i>Biology of Reproduction</i> , 2011, 85, 733-743.                          | 1.2 | 41        |
| 21 | A Comprehensive Atlas of the Adult Mouse Penis. <i>Sexual Development</i> , 2015, 9, 162-172.  | 1.1 | 41        |
| 22 | Evolution of the CDKN1C-KCNQ1 imprinted domain. <i>BMC Evolutionary Biology</i> , 2008, 8, 163.  | 3.2 | 40        |
| 23 | Insulin is imprinted in the placenta of the marsupial, <i>Macropus eugenii</i> . <i>Developmental Biology</i> , 2007, 309, 317-328.  | 0.9 | 37        |
| 24 | The Candidate Sex-Reversing DAX1 Gene Is Autosomal in Marsupials: Implications for the Evolution of Sex Determination in Mammals. <i>Genomics</i> , 1997, 41, 422-426.     | 1.3 | 35        |
| 25 | Reproduction in a polluted world: implications for wildlife. <i>Reproduction</i> , 2020, 160, R13-R23.   | 1.1 | 35        |
| 26 | Absence of SOX3 in the developing marsupial gonad is not consistent with a conserved role in mammalian sex determination. <i>Genesis</i> , 2000, 27, 145-152.              | 0.8 | 32        |
| 27 | Evolutionary history of novel genes on the tammar wallaby Y chromosome: Implications for sex chromosome evolution. <i>Genome Research</i> , 2012, 22, 498-507.             | 2.4 | 32        |
| 28 | Marsupial Anti-Müllerian Hormone Gene Structure, Regulatory Elements, and Expression <sup>1</sup> . <i>Biology of Reproduction</i> , 2004, 70, 160-167.                    | 1.2 | 29        |
| 29 | SOX9 has both conserved and novel roles in marsupial sexual differentiation. <i>Genesis</i> , 2002, 33, 131-139.   | 0.8 | 28        |
| 30 | Desert hedgehog is a mammal-specific gene expressed during testicular and ovarian development in a marsupial. <i>BMC Developmental Biology</i> , 2011, 11, 72.             | 2.1 | 28        |
| 31 | A critical role for estrogen signaling in penis development. <i>FASEB Journal</i> , 2019, 33, 10383-10392.   | 0.2 | 27        |
| 32 | A-kinase anchoring protein 4 has a conserved role in mammalian spermatogenesis. <i>Reproduction</i> , 2009, 137, 645-653.  | 1.1 | 26        |
| 33 | Heterochrony in the regulation of the developing marsupial limb. <i>Developmental Dynamics</i> , 2014, 243, 324-338.   | 0.8 | 26        |
| 34 | Differential expression of WNT4 in testicular and ovarian development in a marsupial. <i>BMC Developmental Biology</i> , 2006, 6, 44.                                      | 2.1 | 25        |
| 35 | Selected imprinting of INS in the marsupial. <i>Epigenetics and Chromatin</i> , 2012, 5, 14.   | 1.8 | 25        |
| 36 | Endocrine disrupting chemicals in the pathogenesis of hypospadias; developmental and toxicological perspectives. <i>Current Research in Toxicology</i> , 2021, 2, 179-191. | 1.3 | 25        |

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|----|---|------|-----------|
| 37 | Exposure to atrazine during puberty reduces sperm viability, increases weight gain and alters the expression of key metabolic genes in the liver of male mice. <i>Reproduction, Fertility and Development</i> , 2019, 31, 920.      | 0.1  | 24        |
| 38 | Differential roles of TGIF family genes in mammalian reproduction. <i>BMC Developmental Biology</i> , 2011, 11, 58.   | 2.1  | 23        |
| 39 | Flutamide-induced hypospadias in rats: A critical assessment. <i>Differentiation</i> , 2017, 94, 37-57.   | 1.0  | 23        |
| 40 | Best practice data life cycle approaches for the life sciences. <i>F1000Research</i> , 2017, 6, 1618.   | 0.8  | 23        |
| 41 | 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        |
| 42 | Mice Harboring <i>Gnrhr</i> E90K, a Mutation that Causes Protein Misfolding and Hypogonadotropic Hypogonadism in Humans, Exhibit Testis Size Reduction and Ovulation Failure. <i>Molecular Endocrinology</i> , 2012, 26, 1847-1856. | 3.7  | 22        |
| 43 | Resurrection of DNA Function In Vivo from an Extinct Genome. <i>PLoS ONE</i> , 2008, 3, e2240.  | 1.1  | 22        |
| 44 | Expression and protein localisation of IGF2 in the marsupial placenta. <i>BMC Developmental Biology</i> , 2008, 8, 17.  | 2.1  | 21        |
| 45 | Eggs, embryos and the evolution of imprinting: insights from the platypus genome. <i>Reproduction, Fertility and Development</i> , 2009, 21, 935.   | 0.1  | 21        |
| 46 | Placental expression of pituitary hormones is an ancestral feature of therian mammals. <i>EvoDevo</i> , 2011, 2, 16.  | 1.3  | 21        |
| 47 | Limited Genetic Diversity Preceded Extinction of the Tasmanian Tiger. <i>PLoS ONE</i> , 2012, 7, e35433.  | 1.1  | 21        |
| 48 | HOXA13 and HOXD13 expression during development of the syndactylous digits in the marsupial <i>Macropus eugenii</i> . <i>BMC Developmental Biology</i> , 2012, 12, 2.   | 2.1  | 21        |
| 49 | The X factor: X chromosome dosage compensation in the evolutionarily divergent monotremes and marsupials. <i>Seminars in Cell and Developmental Biology</i> , 2016, 56, 117-121.  | 2.3  | 20        |
| 50 | Stress-induced changes in color expression mediated by iridophores in a polymorphic lizard. <i>Ecology and Evolution</i> , 2017, 7, 8262-8272.  | 0.8  | 20        |
| 51 | In utero exposure to both high- and low-dose diethylstilbestrol disrupts mouse genital tubercle development. <i>Biology of Reproduction</i> , 2018, 99, 1184-1193.  | 1.2  | 20        |
| 52 | A loss of estrogen signaling in the aromatase deficient mouse penis results in mild hypospadias. <i>Differentiation</i> , 2019, 109, 42-52.   | 1.0  | 19        |
| 53 | A role for estrogen in somatic cell fate of the mammalian gonad. <i>Chromosome Research</i> , 2012, 20, 239-245.  | 1.0  | 18        |
| 54 | Widespread cis-regulatory convergence between the extinct Tasmanian tiger and gray wolf. <i>Genome Research</i> , 2019, 29, 1648-1658.  | 2.4  | 18        |

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|----|---|-----|-----------|
| 55 | Topical Oestrogen Keratinises The Human Foreskin and May Help Prevent HIV Infection. PLoS ONE, 2008, 3, e2308.  | 1.1 | 18        |
| 56 | Sex determining genes and sexual differentiation in a marsupial. The Journal of Experimental Zoology, 2001, 290, 586-596.   | 1.4 | 17        |
| 57 | Hormone-responsive genes in the SHH and WNT/ $\beta$ -catenin signaling pathways influence urethral closure and phallus growth. Biology of Reproduction, 2018, 99, 806-816.                     | 1.2 | 17        |
| 58 | Comparative analysis of ATRX, a chromatin remodeling protein. Gene, 2004, 339, 39-48.   | 1.0 | 16        |
| 59 | ATRX has a critical and conserved role in mammalian sexual differentiation. BMC Developmental Biology, 2011, 11, 39.  | 2.1 | 16        |
| 60 | Ontogeny of the oestrogen receptors ESR1 and ESR2 during gonadal development in the tammar wallaby, <i>Macropus eugenii</i> . Reproduction, 2010, 139, 599-611.                                 | 1.1 | 15        |
| 61 | Letting the "cat" out of the bag: pouch young development of the extinct Tasmanian tiger revealed by X-ray computed tomography. Royal Society Open Science, 2018, 5, 171914.                    | 1.1 | 15        |
| 62 | Characterisation of ATRX, DMRT1, DMRT7 and WT1 in the platypus ( <i>Ornithorhynchus anatinus</i> ). Reproduction, Fertility and Development, 2009, 21, 985.                                     | 0.1 | 14        |
| 63 | RUNX2 repeat variation does not drive craniofacial diversity in marsupials. BMC Evolutionary Biology, 2017, 17, 110.  | 3.2 | 14        |
| 64 | Postnatal development in a marsupial model, the fat-tailed dunnart ( <i>Sminthopsis crassicaudata</i> ); Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3  | 2.0 | 14        |
| 65 | Characterization of steroidogenic factor 1 during sexual differentiation in a marsupial. Gene, 2001, 277, 209-219.  | 1.0 | 13        |
| 66 | Sexual development of a model marsupial male. Australian Journal of Zoology, 2006, 54, 151.   | 0.6 | 13        |
| 67 | Unique small RNA signatures uncovered in the tammar wallaby genome. BMC Genomics, 2012, 13, 559.  | 1.2 | 13        |
| 68 | 3' RACE Walking along a Large cDNA Employing Tiered Suppression PCR. BioTechniques, 2003, 34, 750-756.  | 0.8 | 12        |
| 69 | Molecular characterization and evolution of X and Y-borne ATRX homologues in American marsupials. Chromosome Research, 2004, 12, 795-804.   | 1.0 | 12        |
| 70 | Comparative analysis of the mammalian WNT4 promoter. BMC Genomics, 2009, 10, 416.   | 1.2 | 12        |
| 71 | DAX1/NROB1 Was Expressed During Mammalian Gonadal Development and Gametogenesis Before It Was Recruited to the Eutherian X Chromosome1. Biology of Reproduction, 2015, 92, 22.                  | 1.2 | 12        |
| 72 | Exogenous Oestrogen Impacts Cell Fate Decision in the Developing Gonads: A Potential Cause of Declining Human Reproductive Health. International Journal of Molecular Sciences, 2020, 21, 8377. | 1.8 | 12        |

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|----|---|-----|-----------|
| 73 | Estrogen suppresses SOX9 and activates markers of female development in a human testis-derived cell line. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 66.   | 1.0 | 12        |
| 74 | Evolution and expansion of the RUNX2 QA repeat corresponds with the emergence of vertebrate complexity. <i>Communications Biology</i> , 2020, 3, 771.   | 2.0 | 12        |
| 75 | Kallmann Syndrome 1 Gene Is Expressed in the Marsupial Gonad1. <i>Biology of Reproduction</i> , 2011, 84, 595-603.  | 1.2 | 11        |
| 76 | GRB10 Imprinting Is Eutherian Mammal Specific. <i>Molecular Biology and Evolution</i> , 2012, 29, 3711-3719.  | 3.5 | 11        |
| 77 | Maturation of the growth axis in marsupials occurs gradually during post-natal life and over an equivalent developmental stage relative to eutherian species. <i>Molecular and Cellular Endocrinology</i> , 2012, 349, 189-194. | 1.6 | 11        |
| 78 | DNA methylation dynamics in the germline of the marsupial tammar wallaby, <i>Macropus eugenii</i> . <i>DNA Research</i> , 2019, 26, 85-94.  | 1.5 | 11        |
| 79 | Atrazine induces penis abnormalities including hypospadias in mice. <i>Journal of Developmental Origins of Health and Disease</i> , 2020, 11, 246-249.  | 0.7 | 11        |
| 80 | Ontogenetic origins of cranial convergence between the extinct marsupial thylacine and placental gray wolf. <i>Communications Biology</i> , 2021, 4, 51.  | 2.0 | 11        |
| 81 | Sex chromosomes and sex-determining genes: insights from marsupials and monotremes. <i>Exs</i> , 2001, , 71-95.   | 1.4 | 11        |
| 82 | Seminiferous Cord Formation Is Regulated by Hedgehog Signaling in the Marsupial1. <i>Biology of Reproduction</i> , 2012, 86, 80.  | 1.2 | 10        |
| 83 | Erectile Dysfunction in Men on the Rise: Is There a Link with Endocrine Disrupting Chemicals?. <i>Sexual Development</i> , 2021, 15, 187-212.   | 1.1 | 10        |
| 84 | Localization of the Chromatin Remodelling Protein, ATRX in the Adult Testis. <i>Journal of Reproduction and Development</i> , 2011, 57, 317-321.  | 0.5 | 9         |
| 85 | Promoter-Specific Expression and Imprint Status of Marsupial IGF2. <i>PLoS ONE</i> , 2012, 7, e41690.   | 1.1 | 9         |
| 86 | CHD9 upregulates RUNX2 and has a potential role in skeletal evolution. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 27.  | 1.0 | 9         |
| 87 | Strategies for meiotic sex chromosome dynamics and telomeric elongation in Marsupials. <i>PLoS Genetics</i> , 2022, 18, e1010040.   | 1.5 | 9         |
| 88 | Exon 3 of the growth hormone receptor (GH-R) is specific to eutherian mammals. <i>Molecular and Cellular Endocrinology</i> , 2008, 296, 64-68.  | 1.6 | 8         |
| 89 | Formation of 5 $\alpha$ -reduced androgens in the testes and urogenital tract of the grey short-tailed opossum, <i>Monodelphis domestica</i> . <i>Reproduction, Fertility and Development</i> , 2009, 21, 649.                  | 0.1 | 8         |
| 90 | ARX/Arx is expressed in germ cells during spermatogenesis in both marsupial and mouse. <i>Reproduction</i> , 2014, 147, 279-289.  | 1.1 | 8         |

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| 91  | The Reproductive System. <i>Advances in Experimental Medicine and Biology</i> , 2016, 886, 1-12.   | 0.8 | 8         |
| 92  | Insights on Imprinting from Beyond Mice and Men. <i>Methods in Molecular Biology</i> , 2012, 925, 263-275.   | 0.4 | 8         |
| 93  | Characterisation of the marsupial-specific ATRY gene: Implications for the evolution of male-specific function. <i>Gene</i> , 2005, 362, 29-36.  | 1.0 | 7         |
| 94  | Androgen and Oestrogen Affect the Expression of Long Non-Coding RNAs During Phallus Development in a Marsupial. <i>Non-coding RNA</i> , 2019, 5, 3.  | 1.3 | 7         |
| 95  | Molecular Regulation of Marsupial Reproduction and Development. , 2010, , 285-316.   |     | 7         |
| 96  | Effects of androgen and oestrogen on IGF pathways controlling phallus growth. <i>Reproduction</i> , 2019, 157, 1-12.   | 1.1 | 7         |
| 97  | A Chromosome-Scale Hybrid Genome Assembly of the Extinct Tasmanian Tiger ( <i>Thylacinus</i> ) Tj ETQq1 1 0.784314 1.1rgBT /Overlock 107   | 1.1 | 7         |
| 98  | Of eyes and embryos: subfunctionalization of the <i>CRX</i> homeobox gene in mammalian evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190830.        | 1.2 | 6         |
| 99  | A novel long non-coding RNA, <i>Leat1</i> , causes reduced anogenital distance and fertility in female mice. <i>Differentiation</i> , 2020, 112, 1-6.  | 1.0 | 6         |
| 100 | Marsupial WT1 Has a Novel Isoform and Is Expressed in Both Somatic and Germ Cells in the Developing Ovary and Testis. <i>Sexual Development</i> , 2007, 1, 169-180.                            | 1.1 | 5         |
| 101 | Enhancing genome assemblies by integrating non-sequence based data. <i>BMC Proceedings</i> , 2011, 5, S7.  | 1.8 | 5         |
| 102 | Discrete Hedgehog Factor Expression and Action in the Developing Phallus. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1237.   | 1.8 | 5         |
| 103 | Prostaglandin D <sub>2</sub> Regulates SOX9 Nuclear Translocation during Gonadal Sex Determination in Tammar Wallaby, <i>Macropus eugenii</i> . <i>Sexual Development</i> , 2017, 11, 143-150. | 1.1 | 4         |
| 104 | Reproductive and Developmental Manipulation of the Marsupial, the Tammar Wallaby <i>Macropus eugenii</i> . <i>Methods in Molecular Biology</i> , 2011, 770, 457-473.                           | 0.4 | 4         |
| 105 | Genetic Mechanisms of Sex Determination. , 2018, , 245-249.  |     | 3         |
| 106 | Oestrogen regulates SOX9 bioavailability by rapidly activating ERK1/2 and stabilising microtubules in a human testis-derived cell line. <i>Experimental Cell Research</i> , 2021, 398, 112405. | 1.2 | 3         |
| 107 | Annotation of immune genes in the extinct thylacine ( <i>Thylacinus cynocephalus</i> ). <i>Immunogenetics</i> , 2021, 73, 263-275.   | 1.2 | 3         |
| 108 | Transcriptomic Analysis of MAP3K1 and MAP3K4 in the Developing Marsupial Gonad. <i>Sexual Development</i> , 2019, 13, 195-204.   | 1.1 | 3         |

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|-----|--|-----|-----------|
| 109 | Spatiotemporal map of key signalling factors during early penis development. <i>Developmental Dynamics</i> , 2021, , .   | 0.8 | 3         |
| 110 | The Evolution of Genomic Imprinting – A Marsupial Perspective. , 2010, , 233-257.  |     | 2         |
| 111 | Long-term maternal exposure to atrazine in the drinking water reduces penis length in the tammar wallaby <i>Macropus eugenii</i> . <i>Reproduction, Fertility and Development</i> , 2020, , .              | 0.1 | 1         |
| 112 | Oestrogen Activates the MAP3K1 Cascade and $\beta$ -Catenin to Promote Granulosa-like Cell Fate in a Human Testis-Derived Cell Line. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10046. | 1.8 | 0         |
| 113 | Foreword to –“Reproduction Down Under”™. <i>Reproduction, Fertility and Development</i> , 2019, 31, iii.   | 0.1 | 0         |