

# David Zarkower

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

6,514  
citations

117625

34  
h-index

168389

53  
g-index

54  
all docs

54  
docs citations

54  
times ranked

4434  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | DMRT1: An Ancient Sexual Regulator Required for Human Gonadogenesis. <i>Sexual Development</i> , 2022, 16, 112-125.   | 2.0  | 23        |
| 2  | Lrh1 can help reprogram sexual cell fate and is required for Sertoli cell development and spermatogenesis in the mouse testis. <i>PLoS Genetics</i> , 2022, 18, e1010088.   | 3.5  | 1         |
| 3  | The conserved sex regulator DMRT1 recruits SOX9 in sexual cell fate reprogramming. <i>Nucleic Acids Research</i> , 2021, 49, 6144-6164.   | 14.5 | 29        |
| 4  | Genetic manipulation of sex ratio in mammals: the Reaper comes for Mickey. <i>EMBO Reports</i> , 2019, 20, e48577.  | 4.5  | 2         |
| 5  | Sexually Dimorphic unc-6/Netrin Expression Controls Sex-Specific Maintenance of Synaptic Connectivity. <i>Current Biology</i> , 2018, 28, 623-629.e3.   | 3.9  | 32        |
| 6  | Temporal changes of Sall4 lineage contribution in developing embryos and the contribution of Sall4-lineages to postnatal germ cells in mice. <i>Scientific Reports</i> , 2018, 8, 16410.                                    | 3.3  | 11        |
| 7  | DMRT5, DMRT3, and EMX2 Cooperatively Repress <i>Gsx2</i> at the Pallium Subpallium Boundary to Maintain Cortical Identity in Dorsal Telencephalic Progenitors. <i>Journal of Neuroscience</i> , 2018, 38, 9105-9121.        | 3.6  | 34        |
| 8  | Retinoic acid signaling is dispensable for somatic development and function in the mammalian ovary. <i>Developmental Biology</i> , 2017, 424, 208-220.  | 2.0  | 32        |
| 9  | In mammalian foetal testes, SOX9 regulates expression of its target genes by binding to genomic regions with conserved signatures. <i>Nucleic Acids Research</i> , 2017, 45, 7191-7211.                                     | 14.5 | 77        |
| 10 | Regulation of mitosis-meiosis transition by the ubiquitin ligase $\hat{1}^2$ -TrCP in male germ cells. <i>Development (Cambridge)</i> , 2017, 144, 4137-4147.   | 2.5  | 17        |
| 11 | DMRT proteins and coordination of mammalian spermatogenesis. <i>Stem Cell Research</i> , 2017, 24, 195-202.   | 0.7  | 46        |
| 12 | DMRT1 Is Required for Mouse Spermatogonial Stem Cell Maintenance and Replenishment. <i>PLoS Genetics</i> , 2016, 12, e1006293.  | 3.5  | 98        |
| 13 | Cell-Specific mRNA Profiling of the <i>Caenorhabditis elegans</i> Somatic Gonadal Precursor Cells Identifies Suites of Sex-Biased and Gonad-Enriched Transcripts. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2831-2841. | 1.8  | 16        |
| 14 | An ancient protein-DNA interaction underlying metazoan sex determination. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 442-451.   | 8.2  | 93        |
| 15 | Restriction Site-Associated DNA Sequencing (RAD-seq) Reveals an Extraordinary Number of Transitions among Gecko Sex-Determining Systems. <i>Molecular Biology and Evolution</i> , 2015, 32, 1296-1309.                      | 8.9  | 233       |
| 16 | Sexual Cell-Fate Reprogramming in the Ovary by DMRT1. <i>Current Biology</i> , 2015, 25, 764-771.   | 3.9  | 130       |
| 17 | chinmo Mutant Fly Testis Stem Cells Switching Sex Farewell to Maleness. <i>Developmental Cell</i> , 2014, 31, 385-387.  | 7.0  | 2         |
| 18 | The mammalian Doublesex homolog DMRT6 coordinates the transition between mitotic and meiotic developmental programs during spermatogenesis. <i>Development (Cambridge)</i> , 2014, 141, 3662-3671.                          | 2.5  | 70        |

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|----|--|------|-----------|
| 19 | Over-expression of DMRT1 induces the male pathway in embryonic chicken gonads. <i>Developmental Biology</i> , 2014, 389, 160-172.  | 2.0  | 114       |
| 20 | DMRT1 Protects Male Gonadal Cells from Retinoid-Dependent Sexual Transdifferentiation. <i>Developmental Cell</i> , 2014, 29, 511-520.  | 7.0  | 96        |
| 21 | A sex-specific transcription factor controls male identity in a simultaneous hermaphrodite. <i>Nature Communications</i> , 2013, 4, 1814.  | 12.8 | 53        |
| 22 | DMRT Genes in Vertebrate Gametogenesis. <i>Current Topics in Developmental Biology</i> , 2013, 102, 327-356.   | 2.2  | 73        |
| 23 | Interaction between DMRT1 function and genetic background modulates signaling and pluripotency to control tumor susceptibility in the fetal germ line. <i>Developmental Biology</i> , 2013, 377, 67-78.  | 2.0  | 44        |
| 24 | The Doublesex Homolog Dmrt5 is Required for the Development of the Caudomedial Cerebral Cortex in Mammals. <i>Cerebral Cortex</i> , 2013, 23, 2552-2567.   | 2.9  | 58        |
| 25 | TRA-1 ChIP-seq reveals regulators of sexual differentiation and multilevel feedback in nematode sex determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16033-16038.                  | 7.1  | 45        |
| 26 | Karyotypes of two species of Malagasy ground gecko ( <i>Paroedura</i> : Gekkonidae). <i>African Journal of Herpetology</i> , 2012, 61, 81-90.  | 0.9  | 14        |
| 27 | Sex and the singular DM domain: insights into sexual regulation, evolution and plasticity. <i>Nature Reviews Genetics</i> , 2012, 13, 163-174.   | 16.3 | 336       |
| 28 | MPK-1 ERK Controls Membrane Organization in <i>C.Âlegans</i> Oogenesis via a Sex-Determination Module. <i>Developmental Cell</i> , 2011, 20, 677-688.  | 7.0  | 56        |
| 29 | DMRT1 prevents female reprogramming in the postnatal mammalian testis. <i>Nature</i> , 2011, 476, 101-104.   | 27.8 | 568       |
| 30 | DMRT1 promotes oogenesis by transcriptional activation of Stra8 in the mammalian fetal ovary. <i>Developmental Biology</i> , 2011, 356, 63-70.   | 2.0  | 108       |
| 31 | Genome-wide analysis of DNA binding and transcriptional regulation by the mammalian Doublesex homolog DMRT1 in the juvenile testis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13360-13365. | 7.1  | 92        |
| 32 | Functional Genomic Identification of Genes Required for Male Gonadal Differentiation in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2010, 185, 523-535.  | 2.9  | 27        |
| 33 | The Mammalian Doublesex Homolog DMRT1 Is a Transcriptional Gatekeeper that Controls the MitosisÂversus Meiosis Decision in Male Germ Cells. <i>Developmental Cell</i> , 2010, 19, 612-624.   | 7.0  | 311       |
| 34 | EGL-5/ABD-B plays an instructive role in male cell fate determination in the <i>C. elegans</i> somatic gonad. <i>Developmental Biology</i> , 2010, 344, 827-835.   | 2.0  | 13        |
| 35 | The DM domain protein DMRT1 is a dose-sensitive regulator of fetal germ cell proliferation and pluripotency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22323-22328.                        | 7.1  | 167       |
| 36 | Invertebrates May Not Be So Different After All. <i>Novartis Foundation Symposium</i> , 2008, , 115-135.   | 1.1  | 18        |

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|----|--|------|-----------|
| 37 | A Mammal-Specific Doublesex Homolog Associates with Male Sex Chromatin and Is Required for Male Meiosis. <i>PLoS Genetics</i> , 2007, 3, e62.  | 3.5  | 54        |
| 38 | Cell type-autonomous and non-autonomous requirements for Dmrt1 in postnatal testis differentiation. <i>Developmental Biology</i> , 2007, 307, 314-327.   | 2.0  | 139       |
| 39 | Vertebrate DM domain proteins bind similar DNA sequences and can heterodimerize on DNA. <i>BMC Molecular Biology</i> , 2007, 8, 58.  | 3.0  | 72        |
| 40 | Mice Mutant in the DM Domain Gene Dmrt4 Are Viable and Fertile but Have Polyovular Follicles. <i>Molecular and Cellular Biology</i> , 2006, 26, 8984-8991.   | 2.3  | 61        |
| 41 | Somatic sex determination. <i>WormBook</i> , 2006, , 1-12.   | 5.3  | 99        |
| 42 | Genome-wide analysis of sex-enriched gene expression during <i>C. elegans</i> larval development. <i>Developmental Biology</i> , 2005, 284, 500-508.   | 2.0  | 38        |
| 43 | DSH-2 regulates asymmetric cell division in the early <i>C. elegans</i> somatic gonad. <i>Mechanisms of Development</i> , 2005, 122, 781-789.  | 1.7  | 25        |
| 44 | A forkhead protein controls sexual identity of the <i>C. elegans</i> male somatic gonad. <i>Development (Cambridge)</i> , 2004, 131, 1425-1436.  | 2.5  | 30        |
| 45 | Sexually dimorphic expression of multiple doublesex-related genes in the embryonic mouse gonad. <i>Gene Expression Patterns</i> , 2003, 3, 77-82.  | 0.8  | 130       |
| 46 | Etiology of Ovarian Failure in Blepharophimosis Ptosis Epicanthus Inversus Syndrome: FOXL2 Is a Conserved, Early-Acting Gene in Vertebrate Ovarian Development. <i>Endocrinology</i> , 2003, 144, 3237-3243. | 2.8  | 220       |
| 47 | Invertebrates may not be so different after all. <i>Novartis Foundation Symposium</i> , 2002, 244, 115-26; discussion 126-35, 203-6, 253-7.  | 1.1  | 12        |
| 48 | Establishing sexual dimorphism: conservation amidst diversity?. <i>Nature Reviews Genetics</i> , 2001, 2, 175-185.   | 16.3 | 229       |
| 49 | Temperature-dependent expression of turtle Dmrt1 prior to sexual differentiation. <i>Genesis</i> , 2000, 26, 174-178.  | 1.6  | 204       |
| 50 | <i>Dmrt1</i> , a gene related to worm and fly sexual regulators, is required for mammalian testis differentiation. <i>Genes and Development</i> , 2000, 14, 2587-2595.                                       | 5.9  | 617       |
| 51 | Temperature-dependent expression of turtle Dmrt1 prior to sexual differentiation. <i>Genesis</i> , 2000, 26, 174.  | 1.6  | 8         |
| 52 | Expression of Dmrt1 in the Genital Ridge of Mouse and Chicken Embryos Suggests a Role in Vertebrate Sexual Development. <i>Developmental Biology</i> , 1999, 215, 208-220.                                   | 2.0  | 461       |
| 53 | Evidence for evolutionary conservation of sex-determining genes. <i>Nature</i> , 1998, 391, 691-695.   | 27.8 | 725       |
| 54 | Molecular analysis of the <i>C. elegans</i> sex-determining gene <i>tra-1</i> : A gene encoding two zinc finger proteins. <i>Cell</i> , 1992, 70, 237-249.   | 28.9 | 251       |