

# Reiner A Veitia

## List of Publications by Year in descending order

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106  
papers

6,362  
citations

53794

45  
h-index

71685

76  
g-index

109  
all docs

109  
docs citations

109  
times ranked

7602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene balance hypothesis: Connecting issues of dosage sensitivity across biological disciplines. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14746-14753.	7.1	491
2	Dosage balance in gene regulation: biological implications. Trends in Genetics, 2005, 21, 219-226.	6.7	331
3	Exploring the etiology of haploinsufficiency. BioEssays, 2002, 24, 175-184.	2.5	268
4	Cellular reactions to gene dosage imbalance: genomic, transcriptomic and proteomic effects. Trends in Genetics, 2008, 24, 390-397.	6.7	267
5	Forkhead transcription factors: key players in health and disease. Trends in Genetics, 2011, 27, 224-232.	6.7	267
6	Mutant Cohesin in Premature Ovarian Failure. New England Journal of Medicine, 2014, 370, 943-949.	27.0	244
7	Mutations and sequence variants in GDF9 and BMP15 in patients with premature ovarian failure. European Journal of Endocrinology, 2006, 154, 739-744.	3.7	223
8	FOXL2 activates P450 aromatase gene transcription: towards a better characterization of the early steps of mammalian ovarian development. Journal of Molecular Endocrinology, 2006, 36, 399-413.	2.5	223
9	FOXL2 and BPES: Mutational Hotspots, Phenotypic Variability, and Revision of the Genotype-Phenotype Correlation. American Journal of Human Genetics, 2003, 72, 478-487.	6.2	219
10	Transcription factors: specific DNA binding and specific gene regulation. Trends in Genetics, 2014, 30, 211-219.	6.7	145
11	FOXL2: a central transcription factor of the ovary. Journal of Molecular Endocrinology, 2014, 52, R17-R33.	2.5	125
12	Advances in the Molecular Pathophysiology, Genetics, and Treatment of Primary Ovarian Insufficiency. Trends in Endocrinology and Metabolism, 2018, 29, 400-419.	7.1	118
13	Deletions Involving Long-Range Conserved Nongenic Sequences Upstream and Downstream of FOXL2 as a Novel Disease-Causing Mechanism in Blepharophimosis Syndrome. American Journal of Human Genetics, 2005, 77, 205-218.	6.2	116
14	Gene dosage effects: nonlinearities, genetic interactions, and dosage compensation. Trends in Genetics, 2013, 29, 385-393.	6.7	111
15	Potential targets of FOXL2, a transcription factor involved in craniofacial and follicular development, identified by transcriptomics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3330-3335.	7.1	108
16	Exploring the Molecular Etiology of Dominant-Negative Mutations. Plant Cell, 2008, 19, 3843-3851.	6.6	99
17	Identification of Multiple Gene Mutations Accounts for a new Genetic Architecture of Primary Ovarian Insufficiency. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4541-4550.	3.6	99
18	The transcription factor FOXL2 mobilizes estrogen signaling to maintain the identity of ovarian granulosa cells. ELife, 2014, 3, .	6.0	96

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19	Paralogs in Polyploids: One for All and All for One?. <i>Plant Cell</i> , 2005, 17, 4-11.	6.6	93
20	Nonlinear Effects in Macromolecular Assembly and Dosage Sensitivity. <i>Journal of Theoretical Biology</i> , 2003, 220, 19-25.	1.7	92
21	Gene Dosage Balance in Cellular Pathways. <i>Genetics</i> , 2004, 168, 569-574.	2.9	91
22	A sigmoidal transcriptional response: cooperativity, synergy and dosage effects. <i>Biological Reviews</i> , 2003, 78, 149-170.	10.4	89
23	NR5A1 is a novel disease gene for 46,XX testicular and ovotesticular disorders of sex development. <i>Genetics in Medicine</i> , 2017, 19, 367-376.	2.4	87
24	FOXL2 <i>versus</i> SOX9: A lifelong "battle of the sexes". <i>BioEssays</i> , 2010, 32, 375-380.	2.5	82
25	Transcription factor FOXL2 protects granulosa cells from stress and delays cell cycle: role of its regulation by the SIRT1 deacetylase. <i>Human Molecular Genetics</i> , 2011, 20, 1673-1686.	2.9	81
26	Gene Expression Dominance in Allopolyploids: Hypotheses and Models. <i>Trends in Plant Science</i> , 2018, 23, 393-402.	8.8	81
27	Generic binding sites, generic DNA-binding domains: where does specific promoter recognition come from?. <i>FASEB Journal</i> , 2010, 24, 346-356.	0.5	74
28	Gene dosage balance: deletions, duplications and dominance. <i>Trends in Genetics</i> , 2005, 21, 33-35.	6.7	72
29	Mechanisms of Mendelian dominance. <i>Clinical Genetics</i> , 2018, 93, 419-428.	2.0	70
30	Swyer Syndrome and 46,XY Partial Gonadal Dysgenesis Associated with 9p Deletions in the Absence of Monosomy-9p Syndrome. <i>American Journal of Human Genetics</i> , 1998, 63, 901-905.	6.2	69
31	STAG3 is a strong candidate gene for male infertility. <i>Human Molecular Genetics</i> , 2014, 23, 3421-3431.	2.9	69
32	Missense mutations in the forkhead domain of FOXL2 lead to subcellular mislocalization, protein aggregation and impaired transactivation. <i>Human Molecular Genetics</i> , 2008, 17, 2030-2038.	2.9	66
33	Recent advances in the study of genes involved in non-syndromic premature ovarian failure. <i>Molecular and Cellular Endocrinology</i> , 2008, 282, 101-111.	3.2	65
34	Forkhead Transcription Factors in Health and Disease. <i>Trends in Genetics</i> , 2021, 37, 460-475.	6.7	65
35	A novel polyalanine expansion in FOXL2: the first evidence for a recessive form of the blepharophimosis syndrome (BPES) associated with ovarian dysfunction. <i>Human Genetics</i> , 2007, 121, 107-112.	3.8	63
36	Differential aggregation and functional impairment induced by polyalanine expansions in FOXL2, a transcription factor involved in cranio-facial and ovarian development. <i>Human Molecular Genetics</i> , 2007, 17, 1010-1019.	2.9	62

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37	A Hot-spot of In-frame Duplications Activates the Oncoprotein AKT1 in Juvenile Granulosa Cell Tumors. EBioMedicine, 2015, 2, 421-431.	6.1	61
38	A non-sense <i>MCM9</i> mutation in a familial case of primary ovarian insufficiency. Clinical Genetics, 2016, 89, 603-607.	2.0	60
39	The identification and characterization of a FOXL2 response element provides insights into the pathogenesis of mutant alleles. Human Molecular Genetics, 2008, 17, 3118-3127.	2.9	58
40	Positive and negative feedback regulates the transcription factor FOXL2 in response to cell stress: evidence for a regulatory imbalance induced by disease-causing mutations. Human Molecular Genetics, 2009, 18, 632-644.	2.9	56
41	A homozygous FANCM mutation underlies a familial case of non-syndromic primary ovarian insufficiency. ELife, 2017, 6, .	6.0	56
42	FOXL2, GATA4, and SMAD3 Co-Operatively Modulate Gene Expression, Cell Viability and Apoptosis in Ovarian Granulosa Cell Tumor Cells. PLoS ONE, 2014, 9, e85545.	2.5	55
43	FOXL2 mutations lead to different ovarian phenotypes in BPES patients: Case Report. Human Reproduction, 2010, 25, 235-243.	0.9	53
44	Molecular analyses of juvenile granulosa cell tumors bearing <i>AKT1</i> mutations provide insights into tumor biology and therapeutic leads. Human Molecular Genetics, 2015, 24, 6687-6698.	2.9	51
45	A homozygous donor splice-site mutation in the meiotic gene MSH4 causes primary ovarian insufficiency. Human Molecular Genetics, 2017, 26, 3161-3166.	2.9	50
46	A truncating MEIOB mutation responsible for familial primary ovarian insufficiency abolishes its interaction with its partner SPATA22 and their recruitment to DNA double-strand breaks. EBioMedicine, 2019, 42, 524-531.	6.1	50
47	X chromosome inactivation and active X upregulation in therian mammals: facts, questions, and hypotheses. Journal of Molecular Cell Biology, 2015, 7, 2-11.	3.3	46
48	The genetic make-up of ovarian development and function: the focus on the transcription factor <i>FOXL2</i> . Clinical Genetics, 2017, 91, 173-182.	2.0	45
49	A generalized model of gene dosage and dominant negative effects in macromolecular complexes. FASEB Journal, 2010, 24, 994-1002.	0.5	43
50	Kinetics genetics: Incorporating the concept of genomic balance into an understanding of quantitative traits. Plant Science, 2016, 245, 128-134.	3.6	43
51	Towards a functional classification of pathogenic FOXL2 mutations using transactivation reporter systems. Human Molecular Genetics, 2009, 18, 3324-3333.	2.9	41
52	Discovery of novel protein partners of the transcription factor FOXL2 provides insights into its physiopathological roles. Human Molecular Genetics, 2012, 21, 3264-3274.	2.9	41
53	Causes and effects of haploinsufficiency. Biological Reviews, 2019, 94, 1774-1785.	10.4	40
54	Primary ovarian insufficiency, meiosis and DNA repair. Biomedical Journal, 2020, 43, 115-123.	3.1	30

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55	A missense in HSF2BP causing primary ovarian insufficiency affects meiotic recombination by its novel interactor C19ORF57/BRME1. <i>ELife</i> , 2020, 9, .	6.0	29
56	Dominant negative factors in health and disease. <i>Journal of Pathology</i> , 2009, 218, 409-418.	4.5	28
57	Genome-Wide Linkage in a Highly Consanguineous Pedigree Reveals Two Novel Loci on Chromosome 7 for Non-Syndromic Familial Premature Ovarian Failure. <i>PLoS ONE</i> , 2012, 7, e33412.	2.5	28
58	One Hundred Years of Gene Balance: How Stoichiometric Issues Affect Gene Expression, Genome Evolution, and Quantitative Traits. <i>Cytogenetic and Genome Research</i> , 2021, 161, 529-550.	1.1	28
59	Differential functional effects of novel mutations of the transcription factor FOXL2 in BPES patients. <i>Human Mutation</i> , 2008, 29, E123-E131.	2.5	27
60	Aging: Somatic Mutations, Epigenetic Drift and Gene Dosage Imbalance. <i>Trends in Cell Biology</i> , 2017, 27, 299-310.	7.9	27
61	<i>FO XO3a</i> variants in patients with premature ovarian failure. <i>Clinical Endocrinology</i> , 2008, 68, 495-497.	2.4	26
62	SUMOylation of the Forkhead Transcription Factor FOXL2 Promotes Its Stabilization/Activation through Transient Recruitment to PML Bodies. <i>PLoS ONE</i> , 2011, 6, e25463.	2.5	24
63	Hill function-based models of transcriptional switches: impact of specific, nonspecific, functional and nonfunctional binding. <i>Biological Reviews</i> , 2017, 92, 953-963.	10.4	23
64	Mutational probing of the forkhead domain of the transcription factor FOXL2 provides insights into the pathogenicity of naturally occurring mutations. <i>Human Molecular Genetics</i> , 2011, 20, 3376-3385.	2.9	21
65	A homozygous mutation of GNRHR in a familial case diagnosed with polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , 2017, 176, K9-K14.	3.7	20
66	The robustness of the transcriptional response to alterations in morphogenetic gradients. <i>BioEssays</i> , 2006, 28, 282-289.	2.5	19
67	A novel variant of <i>DHH</i> in a familial case of 46,XY disorder of sex development: Insights from molecular dynamics simulations. <i>Clinical Endocrinology</i> , 2017, 87, 539-544.	2.4	19
68	Models of buffering of dosage imbalances in protein complexes. <i>Biology Direct</i> , 2015, 10, 42.	4.6	18
69	Gene Duplicates: Agents of Robustness or Fragility?. <i>Trends in Genetics</i> , 2017, 33, 377-379.	6.7	18
70	Insights into the loss of the Y chromosome with age in control individuals and in patients with age-related macular degeneration using genotyping microarray data. <i>Human Genetics</i> , 2020, 139, 401-407.	3.8	18
71	DNA Content, Cell Size, and Cell Senescence. <i>Trends in Biochemical Sciences</i> , 2019, 44, 645-647.	7.5	16
72	Dominance and interloci interactions in transcriptional activation cascades: Models explaining compensatory mutations and inheritance patterns. <i>BioEssays</i> , 2014, 36, 84-92.	2.5	14

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73	The forkhead factor FOXL2: A novel tumor suppressor?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010, 1805, 1-5.	7.4	13
74	The Mullerâ€™s Ratchet and Aging. <i>Trends in Genetics</i> , 2020, 36, 395-402.	6.7	12
75	Conventional and unconventional interactions of the transcription factor FOXL2 uncovered by a proteomeâ€™wide analysis. <i>FASEB Journal</i> , 2020, 34, 571-587.	0.5	11
76	An exomeâ€™wide exploration of cases of primary ovarian insufficiency uncovers novel sequence variants and candidate genes. <i>Clinical Genetics</i> , 2020, 98, 293-298.	2.0	11
77	Whole Genome Duplications and a â€™Functionâ€™ for Junk DNA? Facts and Hypotheses. <i>PLoS ONE</i> , 2009, 4, e8201.	2.5	10
78	High-throughput Exploration of the Network Dependent on AKT1 in Mouse Ovarian Granulosa Cells. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1307-1319.	3.8	10
79	Genomic exploration of the targets of FOXL2 and ESR2 unveils their implication in cell migration, invasion, and adhesion. <i>FASEB Journal</i> , 2021, 35, e21355.	0.5	10
80	FOXL2 in adultâ€™type granulosa cell tumour of the ovary: oncogene or tumour suppressor gene?. <i>Journal of Pathology</i> , 2021, 255, 225-231.	4.5	10
81	Gene-dosage issues: a recurrent theme in whole genome duplication events. <i>Trends in Genetics</i> , 2022, 38, 1-3.	6.7	8
82	High-throughput Exploration of the Network Dependent on AKT1 in Mouse Ovarian Granulosa Cells. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1307-1319.	3.8	8
83	How the most common mitochondrial DNA mutation (m.3243A&gt;G) vanishes from leukocytes: a mathematical model. <i>Human Molecular Genetics</i> , 2018, 27, 1565-1571.	2.9	7
84	Threeâ€™dimensional genome architecture in health and disease. <i>Clinical Genetics</i> , 2019, 95, 189-198.	2.0	6
85	Genetic and epigenetic Mullerâ€™s ratchet as a mechanism of frailty and morbidity during aging: a demographic genetic model. <i>Human Genetics</i> , 2020, 139, 409-420.	3.8	6
86	On the loss of human sex chromosomes in lymphocytes with age: a quantitative treatment. <i>European Journal of Human Genetics</i> , 2018, 26, 1875-1878.	2.8	5
87	Genomic Balance and Speciation. <i>Epigenetics Insights</i> , 2019, 12, 251686571984029.	2.0	4
88	Darwinian selection within an individual or somatic selection: facts and models. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 719-722.	3.3	4
89	Further quantitative insights into the decrease of heteroplasmy of m.3243A&gt;G with age in leukocytes. <i>Clinical Genetics</i> , 2019, 95, 542-543.	2.0	3
90	Reply to â€™An alternative miRISC targets a cancerâ€™associated coding sequence mutation in FOXL2â€™. <i>EMBO Journal</i> , 2021, 40, e107517.	7.8	3

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91	Dosage effects in morphogenetic gradients of transcription factors: insights from a simple mathematical model. <i>Journal of Genetics</i> , 2018, 97, 365-370.	0.7	2
92	MIRAGE Syndrome: Phenotypic Rescue by Somatic Mutation and Selection. <i>Trends in Molecular Medicine</i> , 2019, 25, 937-940.	6.7	2
93	DHH pathogenic variants involved in 46,XY disorders of sex development differentially impact protein self-cleavage and structural conformation. <i>Human Genetics</i> , 2020, 139, 1455-1470.	3.8	2
94	Insights into the pathogenicity of missense variants in the forkhead domain of FOX proteins underlying Mendelian disorders. <i>Human Genetics</i> , 2021, 140, 999-1010.	3.8	2
95	Pathogenic "germline" variants associated with myeloproliferative disorders in apparently normal individuals: Inherited or acquired genetic alterations?. <i>Clinical Genetics</i> , 2022, 101, 371-374.	2.0	2
96	A truncating variant of RAD51B associated with primary ovarian insufficiency provides insights into its meiotic and somatic functions. <i>Cell Death and Differentiation</i> , 2022, 29, 2347-2361.	11.2	2
97	Gene Duplicates: Agents of Fragility? " A Reply to Landry and Diss. <i>Trends in Genetics</i> , 2017, 33, 658-660.	6.7	1
98	AFF3: a new player in maintaining XIST monoallelic expression. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 723-724.	3.3	1
99	Predictable increase in female reproductive window: A simple model connecting age of reproduction, menopause, and longevity. <i>BioEssays</i> , 2021, 43, 2000233.	2.5	1
100	Who ever thought genetic mutations were random?. <i>Trends in Plant Science</i> , 2022, , .	8.8	1
101	A Fresh Look at "Aging" Proteins. <i>Trends in Biochemical Sciences</i> , 2017, 42, 86-89.	7.5	0
102	Special issue on "Molecular genetics of aging and longevity" a critical time in the field of geroscience. <i>Human Genetics</i> , 2020, 139, 275-276.	3.8	0
103	A reply to: Longitudinal changes in the frequency of mosaic chromosome Y loss in peripheral blood cells of aging men varies profoundly between individuals. <i>European Journal of Human Genetics</i> , 2021, 29, 1321-1322.	2.8	0
104	Precocious pseudo-puberty in a 2-year-old girl, presenting with bilateral ovarian enlargement and progressing to unilateral juvenile granulosa cell tumour. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , 2021, .	0.9	0
105	Le facteur de transcription FOXL2 : un acteur clé de la différenciation de l'ovaire, de son maintien et de la fertilité. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2016, 200, 1115-1127.	0.0	0
106	<i>Clinical Genetics</i> paving the way to the future. <i>Clinical Genetics</i> , 2021, 99, 217-218.	2.0	0