

# Gen Yamada

## List of Publications by Year in descending order

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77  
papers

2,824  
citations

186265

28  
h-index

182427

51  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique functions of Sonic hedgehog signaling during external genitalia development. <i>Development (Cambridge)</i> , 2001, 128, 4241-4250.	2.5	222
2	Wnt5a regulates directional cell migration and cell proliferation via Ror2-mediated noncanonical pathway in mammalian palate development. <i>Development (Cambridge)</i> , 2008, 135, 3871-3879.	2.5	200
3	Cellular and molecular mechanisms of development of the external genitalia. <i>Differentiation</i> , 2003, 71, 445-460.	1.9	155
4	Molecular analysis of coordinated bladder and urogenital organ formation by Hedgehog signaling. <i>Development (Cambridge)</i> , 2007, 134, 525-533.	2.5	134
5	A high-resolution anatomical ontology of the developing murine genitourinary tract. <i>Gene Expression Patterns</i> , 2007, 7, 680-699.	0.8	125
6	Regulation of outgrowth and apoptosis for the terminal appendage:external genitalia: development by concerted actions of BMP signaling. <i>Development (Cambridge)</i> , 2003, 130, 6209-6220.	2.5	119
7	Genetic Interactions of the Androgen and Wnt/ $\beta$ -Catenin Pathways for the Masculinization of External Genitalia. <i>Molecular Endocrinology</i> , 2009, 23, 871-880.	3.7	109
8	Androgens and mammalian male reproductive tract development. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 163-170.	1.9	89
9	Dosage-dependent hedgehog signals integrated with Wnt/ $\beta$ -catenin signaling regulate external genitalia formation as an appendicular program. <i>Development (Cambridge)</i> , 2009, 136, 3969-3978.	2.5	88
10	Androgen dependent development of a modified anal fin, gonopodium, as a model to understand the mechanism of secondary sexual character expression in vertebrates. <i>FEBS Letters</i> , 2004, 575, 119-126.	2.8	82
11	Evolutionary History and Functional Characterization of Androgen Receptor Genes in Jawed Vertebrates. <i>Endocrinology</i> , 2009, 150, 5415-5427.	2.8	79
12	Essential Roles of Androgen Signaling in Wolffian Duct Stabilization and Epididymal Cell Differentiation. <i>Endocrinology</i> , 2011, 152, 1640-1651.	2.8	70
13	The Masculinization Programming Window. <i>Endocrine Development</i> , 2014, 27, 17-27.	1.3	68
14	The Role of Sonic Hedgehog-Gli2 Pathway in the Masculinization of External Genitalia. <i>Endocrinology</i> , 2011, 152, 2894-2903.	2.8	66
15	Embryonic development of mouse external genitalia: insights into a unique mode of organogenesis. <i>Evolution &amp; Development</i> , 2002, 4, 133-141.	2.0	59
16	Cessation of gastrulation is mediated by suppression of epithelial-mesenchymal transition at the ventral ectodermal ridge. <i>Development (Cambridge)</i> , 2007, 134, 4315-4324.	2.5	57
17	Regulation of masculinization: androgen signalling for external genitalia development. <i>Nature Reviews Urology</i> , 2018, 15, 358-368.	3.8	48
18	Functional distinctions associated with the diversity of sex steroid hormone receptors ESR and AR. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 184, 38-46.	2.5	48

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19	Sexually dimorphic expression of <i>Mafb</i> regulates masculinization of the embryonic urethral formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16407-16412.	7.1	47
20	Regulation of external genitalia development by concerted actions of FGF ligands and FGF receptors. <i>Anatomy and Embryology</i> , 2004, 208, 479-86.	1.5	44
21	External Genitalia Formation. <i>Annals of the New York Academy of Sciences</i> , 2001, 948, 13-31.	3.8	42
22	Neofunctionalization of Androgen Receptor by Gain-of-Function Mutations in Teleost Fish Lineage. <i>Molecular Biology and Evolution</i> , 2016, 33, 228-244.	8.9	41
23	ISL1 is a major susceptibility gene for classic bladder exstrophy and a regulator of urinary tract development. <i>Scientific Reports</i> , 2017, 7, 42170.	3.3	41
24	Embryonic hair follicle fate change by augmented $\beta$ -catenin through Shh and Bmp signaling. <i>Development (Cambridge)</i> , 2009, 136, 367-372.	2.5	40
25	Abnormal urethra formation in mouse models of Split-hand/split-foot malformation type 1 and type 4. <i>European Journal of Human Genetics</i> , 2008, 16, 36-44.	2.8	39
26	Genetics of Bladder-Exstrophy-Epispadias Complex (BEEC): Systematic Elucidation of Mendelian and Multifactorial Phenotypes. <i>Current Genomics</i> , 2015, 17, 4-13.	1.6	36
27	The Hedgehog Signal Induced Modulation of Bone Morphogenetic Protein Signaling: An Essential Signaling Relay for Urinary Tract Morphogenesis. <i>PLoS ONE</i> , 2012, 7, e42245.	2.5	35
28	Tissue-specific roles of FGF signaling in external genitalia development. <i>Developmental Dynamics</i> , 2015, 244, 759-773.	1.8	32
29	Establishment of estrogen receptor 1 (ESR1) knockout medaka: <i>ESR1</i> is dispensable for sexual development and reproduction in medaka, <i>Oryzias latipes</i> . <i>Development Growth and Differentiation</i> , 2017, 59, 552-561.	1.5	32
30	Region-specific regulation of cell proliferation by FGF receptor signaling during the Wolffian duct development. <i>Developmental Biology</i> , 2015, 400, 139-147.	2.0	30
31	Ventral abdominal wall dysmorphogenesis of <i>Msx1/Msx2</i> double-mutant mice. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005, 284A, 424-430.	2.0	28
32	Gene expression analyses on embryonic external genitalia: identification of regulatory genes possibly involved in masculinization processes. <i>Congenital Anomalies (discontinued)</i> , 2008, 48, 63-67.	0.6	28
33	Reduced BMP Signaling Results in Hindlimb Fusion with Lethal Pelvic/Urogenital Organ Aplasia: A New Mouse Model of Sirenomelia. <i>PLoS ONE</i> , 2012, 7, e43453.	2.5	28
34	Systematic stereoscopic analyses for cloacal development: The origin of anorectal malformations. <i>Scientific Reports</i> , 2015, 5, 13943.	3.3	28
35	$5\alpha$ -Dihydrotestosterone negatively regulates cell proliferation of the periurethral ventral mesenchyme during urethral tube formation in the murine male genital tubercle. <i>Andrology</i> , 2017, 5, 146-152.	3.5	26
36	Anorectal and urinary anomalies and aberrant retinoic acid metabolism in cytochrome P450 oxidoreductase deficiency. <i>Molecular Genetics and Metabolism</i> , 2010, 100, 269-273.	1.1	24

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37	Essential functions of androgen signaling emerged through the developmental analysis of vertebrate sex characteristics. <i>Evolution &amp; Development</i> , 2011, 13, 315-325.	2.0	24
38	Androgen Regulates Mafb Expression Through its 3'UTR During Mouse Urethral Masculinization. <i>Endocrinology</i> , 2016, 157, 844-857.	2.8	23
39	Nonmyocytic Androgen Receptor Regulates the Sexually Dimorphic Development of the Embryonic Bulbocavernosus Muscle. <i>Endocrinology</i> , 2014, 155, 2467-2479.	2.8	22
40	Midline-derived Shh regulates mesonephric tubule formation through the paraxial mesoderm. <i>Developmental Biology</i> , 2014, 386, 216-226.	2.0	19
41	Genetic analysis of the role of Alx4 in the coordination of lower body and external genitalia formation. <i>European Journal of Human Genetics</i> , 2014, 22, 350-357.	2.8	18
42	Systematic analyses of murine masculinization processes based on genital sex differentiation parameters. <i>Development Growth and Differentiation</i> , 2015, 57, 639-647.	1.5	18
43	New horizons at the caudal embryos: coordinated urogenital/reproductive organ formation by growth factor signaling. <i>Current Opinion in Genetics and Development</i> , 2009, 19, 491-496.	3.3	17
44	Mesenchymal actomyosin contractility is required for androgen-driven urethral masculinization in mice. <i>Communications Biology</i> , 2019, 2, 95.	4.4	15
45	Retinoic Acid Signaling Regulates Sonic Hedgehog and Bone Morphogenetic Protein Signalings During Genital Tubercle Development. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2012, 95, 79-88.	1.4	14
46	Essential Roles of Epithelial Bone Morphogenetic Protein Signaling During Prostatic Development. <i>Endocrinology</i> , 2014, 155, 2534-2544.	2.8	13
47	Hedgehog Signaling for Urogenital Organogenesis and Prostate Cancer: An Implication for the Epithelial-Mesenchyme Interaction (EMI). <i>International Journal of Molecular Sciences</i> , 2020, 21, 58.	4.1	13
48	Development of the External Genitalia and Their Sexual Dimorphic Regulation in Mice. <i>Sexual Development</i> , 2014, 8, 297-310.	2.0	12
49	Investigation of sexual dimorphisms through mouse models and hormone/hormone-disruptor treatments. <i>Differentiation</i> , 2016, 91, 78-89.	1.9	12
50	Bmp4 is an essential growth factor for the initiation of genital tubercle (GT) outgrowth. <i>Congenital Anomalies (discontinued)</i> , 2020, 60, 15-21.	0.6	12
51	The Morphological and Histological Characters of the Male External Genitalia of the House Musk Shrew, <i>Suncus murinus</i> . <i>Zoological Science</i> , 2005, 22, 463-468.	0.7	11
52	Functional analysis of ectodermal $\beta$ -catenin during external genitalia formation. <i>Congenital Anomalies (discontinued)</i> , 2013, 53, 34-41.	0.6	11
53	Regulatory roles of epithelial-mesenchymal interaction (EMI) during early and androgen dependent external genitalia development. <i>Differentiation</i> , 2019, 110, 29-35.	1.9	11
54	Developmental Contribution of Wnt-signal-responsive Cells to Mouse Reproductive Tract Formation. <i>Acta Histochemica Et Cytochemica</i> , 2017, 50, 127-133.	1.6	9

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55	Developmental mutant mouse models for external genitalia formation. <i>Congenital Anomalies (discontinued)</i> , 2019, 59, 74-80.	0.6	9
56	Single Nucleotide Polymorphisms of <i>HAAO</i> and <i>IRX6</i> Genes as Risk Factors for Hypospadias. <i>Journal of Urology</i> , 2019, 201, 386-392.	0.4	9
57	Androgen Regulates Dimorphic F-Actin Assemblies in the Genital Organogenesis. <i>Sexual Development</i> , 2017, 11, 190-202.	2.0	8
58	New Insights into Development of Female Reproductive Tract—Hedgehog-Signal Response in Wolffian Tissues Directly Contributes to Uterus Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1211.	4.1	8
59	3D reconstruction and histopathological analyses on murine corporal body. <i>Reproductive Medicine and Biology</i> , 2021, 20, 199-207.	2.4	8
60	Stage-dependent function of <i>Wnt5a</i> during male external genitalia development. <i>Congenital Anomalies (discontinued)</i> , 2021, 61, 212-219.	0.6	8
61	Congenital Micropenis: Etiology And Management. <i>Journal of the Endocrine Society</i> , 2022, 6, bvab172.	0.2	7
62	Expression patterns of <i>Fgf8</i> and <i>Shh</i> in the developing external genitalia of <i>Suncus murinus</i> . <i>Reproduction</i> , 2017, 153, 187-195.	2.6	6
63	Sexual fate of murine external genitalia development: Conserved transcriptional competency for male-biased genes in both sexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
64	Epithelial <i>Bmp</i> (Bone morphogenetic protein) signaling for bulbourethral gland development: A mouse model for congenital cystic dilation. <i>Congenital Anomalies (discontinued)</i> , 2011, 51, 102-109.	0.6	5
65	Dynamic erectile responses of a novel penile organ model utilizing <i>TPEM</i> . <i>Biology of Reproduction</i> , 2021, 104, 875-886.	2.7	5
66	Wakayama Symposium: Epithelial-Mesenchymal Interaction Regulates Tissue Formation and Characteristics: Insights for Corneal Development. <i>Ocular Surface</i> , 2012, 10, 217-220.	4.4	4
67	The Role of <i>Fgf</i> Signaling on Epithelial Cell Differentiation in Mouse Vagina. <i>In Vivo</i> , 2019, 33, 1499-1505.	1.3	4
68	Disruption of eyelid and cornea morphogenesis by epithelial $\beta$ -catenin gain-of-function. <i>Molecular Vision</i> , 2015, 21, 793-803.	1.1	4
69	Androgen/ <i>Wnt</i> / $\beta$ -catenin signal axis augments cell proliferation of the mouse erectile tissue, corpus cavernosum. <i>Congenital Anomalies (discontinued)</i> , 2022, 62, 123-133.	0.6	4
70	Reproductive/Urogenital Organ Development and Molecular Genetic Cascades: Glamorous Developmental Processes of Bodies. <i>Journal of Biochemistry</i> , 2005, 137, 665-669.	1.7	3
71	Epispadias and the associated embryopathies: genetic and developmental basis. <i>Clinical Genetics</i> , 2017, 91, 247-253.	2.0	3
72	Evaluation of surgical procedures of mouse urethra by visualization and the formation of fistula. <i>Scientific Reports</i> , 2020, 10, 18251.	3.3	3

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73	Possible testosterone redundancy for 5 $\alpha$ -dihydrotestosterone in the masculinization of mouse external genitalia. <i>Experimental Animals</i> , 2022, 71, 451-459.	1.1	3
74	Development of Surgical and Visualization Procedures to Analyze Vasculatures by Mouse Tail Edema Model. <i>Biological Procedures Online</i> , 2021, 23, 21.	2.9	2
75	Radiation inducible MafB gene is required for thymic regeneration. <i>Scientific Reports</i> , 2021, 11, 10439.	3.3	1
76	Establishment of mouse line showing inducible priapism-like phenotypes. <i>Reproductive Medicine and Biology</i> , 2022, 21, .	2.4	1
77	Serial Hunt for Ciliary Genes in Complex Syndromes. <i>Human Mutation</i> , 2015, 36, v-v.	2.5	0