Shosei Yoshida

List of Publications by Year
in descending order

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55 papers	6,832 citations	101384 36 h-index	161609 54 g-index
71 all docs	71 docs citations	71 times ranked	6457 citing authors

#	Article	IF	Citations
1	Regulation of spermatogenic stem cell homeostasis by mitogen competition in an open niche microenvironment. Genes and Genetic Systems, 2022, , .	0.2	1
2	Temperature sensitivity of DNA double-strand break repair underpins heat-induced meiotic failure in mouse spermatogenesis. Communications Biology, 2022, 5, .	2.0	18
3	Stem Cell Populations as Self-Renewing Many-Particle Systems. Annual Review of Condensed Matter Physics, 2021, 12, 135-153.	5.2	9
4	Isolation of Murine Spermatogenic Cells using a Violet-Excited Cell-Permeable DNA Binding Dye. Journal of Visualized Experiments, 2021, , .	0.2	3
5	EXOC1 plays an integral role in spermatogonia pseudopod elongation and spermatocyte stable syncytium formation in mice. ELife, 2021, 10, .	2.8	6
6	Transient suppression of transplanted spermatogonial stem cell differentiation restores fertility in mice. Cell Stem Cell, 2021, 28, 1443-1456.e7.	5.2	20
7	A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis. Cell Reports, 2021, 37, 109875.	2.9	16
8	Tracing the cellular basis of islet specification in mouse pancreas. Nature Communications, 2020, 11, 5037.	5.8	14
9	Mouse Spermatogenesis Reflects the Unity and Diversity of Tissue Stem Cell Niche Systems. Cold Spring Harbor Perspectives in Biology, 2020, 12, a036186.	2.3	6
10	Wnt produced by stretched roof-plate cells is required for the promotion of cell proliferation around the central canal of the spinal cord. Development (Cambridge), 2019, 146, .	1.2	30
11	Heterogeneous, dynamic, and stochastic nature of mammalian spermatogenic stem cells. Current Topics in Developmental Biology, 2019, 135, 245-285.	1.0	18
12	Competition for Mitogens Regulates Spermatogenic Stem Cell Homeostasis in an Open Niche. Cell Stem Cell, 2019, 24, 79-92.e6.	5.2	105
13	Dynamic homeostasis: From development to aging. Development Growth and Differentiation, 2018, 60, 511-511.	0.6	0
14	Open niche regulation of mouse spermatogenic stem cells. Development Growth and Differentiation, 2018, 60, 542-552.	0.6	43
15	mDia1/3 generate cortical F-actin meshwork in Sertoli cells that is continuous with contractile F-actin bundles and indispensable for spermatogenesis and male fertility. PLoS Biology, 2018, 16, e2004874.	2.6	19
16	Regulatory Mechanism of Spermatogenic Stem Cells in Mice: Their Dynamic and Context-Dependent Behavior. Diversity and Commonality in Animals, 2018, , 47-67.	0.7	4
17	MAFB is dispensable for the fetal testis morphogenesis and the maintenance of spermatogenesis in adult mice. PLoS ONE, 2018, 13, e0190800.	1.1	19
18	SHISA6 Confers Resistance to Differentiation-Promoting Wnt/Î²-Catenin Signaling in Mouse Spermatogenic Stem Cells. Stem Cell Reports, 2017, 8, 561-575.	2.3	79

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19	From cyst to tubule: innovations in vertebrate spermatogenesis. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 119-131.	5.9	52
20	Hierarchical differentiation competence in response to retinoic acid ensures stem cell maintenance during mouse spermatogenesis. Development (Cambridge), 2015, 142, 1582-92.	1.2	93
21	Low Temperature-Induced Circulating Triiodothyronine Accelerates Seasonal Testicular Regression. Endocrinology, 2015, 156, 647-659.	1.4	37
22	Mouse Spermatogenic Stem Cells Continually Interconvert between Equipotent Singly Isolated and Syncytial States. Cell Stem Cell, 2014, 14, 658-672.	5.2	244
23	An epigenetic switch is crucial for spermatogonia to exit the undifferentiated state toward a Kit-positive identity. Development (Cambridge), 2013, 140, 3565-3576.	1.2	70
24	Elucidating the identity and behavior of spermatogenic stem cells in the mouse testis. Reproduction, 2012, 144, 293-302.	1.1	76
25	Spermatogonia Differentiation Requires Retinoic Acid Receptor Î³. Endocrinology, 2012, 153, 438-449.	1.4	112
26	Testis tissue explantation cures spermatogenic failure in c-Kit ligand mutant mice. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16934-16938.	3.3	61
27	Retinoic acid metabolism links the periodical differentiation of germ cells with the cycle of Sertoli cells in mouse seminiferous epithelium. Mechanisms of Development, 2012, 128, 610-624.	1.7	119
28	Germline Stem Cells. Cold Spring Harbor Perspectives in Biology, 2011, 3, a002642-a002642.	2.3	240
29	Cyclical and Patch-Like GDNF Distribution along the Basal Surface of Sertoli Cells in Mouse and Hamster Testes. PLoS ONE, 2011, 6, e28367.	1.1	49
30	Stem Cell Niche System in Mouse Spermatogenesis. , 2011, , 159-175.		1
31	Stem cells in mammalian spermatogenesis. Development Growth and Differentiation, 2010, 52, 311-317.	0.6	77
32	Functional Hierarchy and Reversibility Within the Murine Spermatogenic Stem Cell Compartment. Science, 2010, 328, 62-67.	6.0	419
33	A mammalian neural tissue opsin (Opsin 5) is a deep brain photoreceptor in birds. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15264-15268.	3.3	260
34	The Mammalian Doublesex Homolog DMRT1 Is a Transcriptional Gatekeeper that Controls the MitosisÂversus Meiosis Decision in Male Germ Cells. Developmental Cell, 2010, 19, 612-624.	3.1	311
35	Mouse Germ Line Stem Cells Undergo Rapid and Stochastic Turnover. Cell Stem Cell, 2010, 7, 214-224.	5.2	216
36	Casting back to stem cells. Nature Cell Biology, 2009, 11, 118-120.	4.6	10

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37	The heterogeneity of spermatogonia is revealed by their topology and expression of marker proteins including the germ cell-specific proteins Nanos2 and Nanos3. Developmental Biology, 2009, 336, 222-231.	0.9	177
38	Notch Mediates the Segmental Specification of Angioblasts in Somites and Their Directed Migration toward the Dorsal Aorta in Avian Embryos. Developmental Cell, 2008, 14, 890-901.	3.1	61
39	TBP-interacting Protein 120B (TIP120B)/Cullin-associated and Neddylation-dissociated 2 (CAND2) Inhibits SCF-dependent Ubiquitination of Myogenin and Accelerates Myogenic Differentiation. Journal of Biological Chemistry, 2007, 282, 9017-9028.	1.6	43
40	Leukemia Inhibitory Factor Enhances Formation of Germ Cell Colonies in Neonatal Mouse Testis Culture1. Biology of Reproduction, 2007, 76, 55-62.	1.2	69
41	Functional Identification of the Actual andÂPotentialÂStem Cell Compartments inÂMouseÂSpermatogenesis. Developmental Cell, 2007, 12, 195-206.	3.1	368
42	A Vasculature-Associated Niche for Undifferentiated Spermatogonia in the Mouse Testis. Science, 2007, 317, 1722-1726.	6.0	434
43	Stem Cell Heterogeneity. Annals of the New York Academy of Sciences, 2007, 1120, 47-58.	1.8	74
44	The first round of mouse spermatogenesis is a distinctive program that lacks the self-renewing spermatogonia stage. Development (Cambridge), 2006, 133, 1495-1505.	1.2	313
45	A CTX Family Cell Adhesion Molecule, JAM4, Is Expressed in Stem Cell and Progenitor Cell Populations of both Male Germ Cell and Hematopoietic Cell Lineages. Molecular and Cellular Biology, 2006, 26, 8498-8506.	1.1	27
46	Neurogenin3 delineates the earliest stages of spermatogenesis in the mouse testis. Developmental Biology, 2004, 269, 447-458.	0.9	244
47	Spatial analysis of germ stem cell development in Oct-4/EGFP transgenic mice. Archives of Histology and Cytology, 2004, 67, 285-296.	0.2	80
48	Identification and characterization of stem cells in prepubertal spermatogenesis in miceâ˜†â˜†Supplementary data associated with this article can be found at doi:10.1016/S0012-1606(03)00111-8.. Developmental Biology, 2003, 258, 209-225.	0.9	224
49	The Basic Helix-Loop-Helix Factor Olig2 Is Essential for the Development of Motoneuron and Oligodendrocyte Lineages. Current Biology, 2002, 12, 1157-1163.	1.8	443
50	Sgn1, a Basic Helix-Loop-Helix Transcription Factor Delineates the Salivary Gland Duct Cell Lineage in Mice. Developmental Biology, 2001, 240, 517-530.	0.9	64
51	Combinatorial Roles of Olig2 and Neurogenin2 in the Coordinated Induction of Pan-Neuronal and Subtype-Specific Properties of Motoneurons. Neuron, 2001, 31, 757-771.	3.8	399
52	Muscle Develops a Specific Form of Small Heat Shock Protein Complex Composed of MKBP/HSPB2 and HSPB3 during Myogenic Differentiation. Journal of Biological Chemistry, 2000, 275, 1095-1104.	1.6	271
53	Ets family transcription factor ESE-1 is expressed in corneal epithelial cells and is involved in their differentiation. Mechanisms of Development, 2000, 97, 27-34.	1.7	42
54	Dynamic expression of basic helix-loop-helix Olig family members: implication of Olig2 in neuron and oligodendrocyte differentiation and identification of a new member, Olig3. Mechanisms of Development, 2000, 99, 143-148.	1.7	346

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55	Mice deficient for the IL-3/GM-CSF/IL-5 Î²c receptor exhibit lung pathology and impaired immune response, while Î²IL3 receptor-deficient mice are normal. Immunity, 1995, 2, 211-222.	6.6	292