

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	The Basic Helix-Loop-Helix Factor Olig2 Is Essential for the Development of Motoneuron and Oligodendrocyte Lineages. <i>Current Biology</i> , 2002, 12, 1157-1163.	1.8	443
2	A Vasculature-Associated Niche for Undifferentiated Spermatogonia in the Mouse Testis. <i>Science</i> , 2007, 317, 1722-1726.	6.0	434
3	Functional Hierarchy and Reversibility Within the Murine Spermatogenic Stem Cell Compartment. <i>Science</i> , 2010, 328, 62-67.	6.0	419
4	Combinatorial Roles of Olig2 and Neurogenin2 in the Coordinated Induction of Pan-Neuronal and Subtype-Specific Properties of Motoneurons. <i>Neuron</i> , 2001, 31, 757-771.	3.8	399
5	Functional Identification of the Actual and Potential Stem Cell Compartments in Mouse Spermatogenesis. <i>Developmental Cell</i> , 2007, 12, 195-206.	3.1	368
6	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. <i>Mechanisms of Development</i> , 2000, 99, 143-148.	1.7	346
7	The first round of mouse spermatogenesis is a distinctive program that lacks the self-renewing spermatogonia stage. <i>Development (Cambridge)</i> , 2006, 133, 1495-1505.	1.2	313
8	The Mammalian Doublesex Homolog DMRT1 Is a Transcriptional Gatekeeper that Controls the Mitosis Versus Meiosis Decision in Male Germ Cells. <i>Developmental Cell</i> , 2010, 19, 612-624.	3.1	311
9	Mice deficient for the IL-3/GM-CSF/IL-5 receptor exhibit lung pathology and impaired immune response, while IL3 receptor-deficient mice are normal. <i>Immunity</i> , 1995, 2, 211-222.	6.6	292
10	Muscle Develops a Specific Form of Small Heat Shock Protein Complex Composed of MKBP/HSPB2 and HSPB3 during Myogenic Differentiation. <i>Journal of Biological Chemistry</i> , 2000, 275, 1095-1104.	1.6	271
11	A mammalian neural tissue opsin (Opsin 5) is a deep brain photoreceptor in birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15264-15268.	3.3	260
12	Neurogenin3 delineates the earliest stages of spermatogenesis in the mouse testis. <i>Developmental Biology</i> , 2004, 269, 447-458.	0.9	244
13	Mouse Spermatogenic Stem Cells Continually Interconvert between Equipotent Singly Isolated and Syncytial States. <i>Cell Stem Cell</i> , 2014, 14, 658-672.	5.2	244
14	Germline Stem Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a002642-a002642.	2.3	240
15	Identification and characterization of stem cells in prepubertal spermatogenesis in mice. Supplementary data associated with this article can be found at doi:10.1016/S0012-1606(03)00111-8. <i>Developmental Biology</i> , 2003, 258, 209-225.	0.9	224
16	Mouse Germ Line Stem Cells Undergo Rapid and Stochastic Turnover. <i>Cell Stem Cell</i> , 2010, 7, 214-224.	5.2	216
17	The heterogeneity of spermatogonia is revealed by their topology and expression of marker proteins including the germ cell-specific proteins Nanos2 and Nanos3. <i>Developmental Biology</i> , 2009, 336, 222-231.	0.9	177
18	Retinoic acid metabolism links the periodical differentiation of germ cells with the cycle of Sertoli cells in mouse seminiferous epithelium. <i>Mechanisms of Development</i> , 2012, 128, 610-624.	1.7	119

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19	Spermatogonia Differentiation Requires Retinoic Acid Receptor β . <i>Endocrinology</i> , 2012, 153, 438-449.	1.4	112
20	Competition for Mitogens Regulates Spermatogenic Stem Cell Homeostasis in an Open Niche. <i>Cell Stem Cell</i> , 2019, 24, 79-92.e6.	5.2	105
21	Hierarchical differentiation competence in response to retinoic acid ensures stem cell maintenance during mouse spermatogenesis. <i>Development (Cambridge)</i> , 2015, 142, 1582-92.	1.2	93
22	Spatial analysis of germ stem cell development in Oct-4/EGFP transgenic mice. <i>Archives of Histology and Cytology</i> , 2004, 67, 285-296.	0.2	80
23	SHISA6 Confers Resistance to Differentiation-Promoting Wnt/ β -Catenin Signaling in Mouse Spermatogenic Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 561-575.	2.3	79
24	Stem cells in mammalian spermatogenesis. <i>Development Growth and Differentiation</i> , 2010, 52, 311-317.	0.6	77
25	Elucidating the identity and behavior of spermatogenic stem cells in the mouse testis. <i>Reproduction</i> , 2012, 144, 293-302.	1.1	76
26	Stem Cell Heterogeneity. <i>Annals of the New York Academy of Sciences</i> , 2007, 1120, 47-58.	1.8	74
27	An epigenetic switch is crucial for spermatogonia to exit the undifferentiated state toward a Kit-positive identity. <i>Development (Cambridge)</i> , 2013, 140, 3565-3576.	1.2	70
28	Leukemia Inhibitory Factor Enhances Formation of Germ Cell Colonies in Neonatal Mouse Testis Culture1. <i>Biology of Reproduction</i> , 2007, 76, 55-62.	1.2	69
29	Sgn1, a Basic Helix-Loop-Helix Transcription Factor Delineates the Salivary Gland Duct Cell Lineage in Mice. <i>Developmental Biology</i> , 2001, 240, 517-530.	0.9	64
30	Notch Mediates the Segmental Specification of Angioblasts in Somites and Their Directed Migration toward the Dorsal Aorta in Avian Embryos. <i>Developmental Cell</i> , 2008, 14, 890-901.	3.1	61
31	Testis tissue explantation cures spermatogenic failure in c-Kit ligand mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16934-16938.	3.3	61
32	From cyst to tubule: innovations in vertebrate spermatogenesis. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 119-131.	5.9	52
33	Cyclical and Patch-Like GDNF Distribution along the Basal Surface of Sertoli Cells in Mouse and Hamster Testes. <i>PLoS ONE</i> , 2011, 6, e28367.	1.1	49
34	TBP-interacting Protein 120B (TIP120B)/Cullin-associated and Neddylation-dissociated 2 (CAND2) Inhibits SCF-dependent Ubiquitination of Myogenin and Accelerates Myogenic Differentiation. <i>Journal of Biological Chemistry</i> , 2007, 282, 9017-9028.	1.6	43
35	Open niche regulation of mouse spermatogenic stem cells. <i>Development Growth and Differentiation</i> , 2018, 60, 542-552.	0.6	43
36	Ets family transcription factor ESE-1 is expressed in corneal epithelial cells and is involved in their differentiation. <i>Mechanisms of Development</i> , 2000, 97, 27-34.	1.7	42

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37	Low Temperature-Induced Circulating Triiodothyronine Accelerates Seasonal Testicular Regression. <i>Endocrinology</i> , 2015, 156, 647-659.	1.4	37
38	Wnt produced by stretched roof-plate cells is required for the promotion of cell proliferation around the central canal of the spinal cord. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	30
39	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. <i>Molecular and Cellular Biology</i> , 2006, 26, 8498-8506.	1.1	27
40	Transient suppression of transplanted spermatogonial stem cell differentiation restores fertility in mice. <i>Cell Stem Cell</i> , 2021, 28, 1443-1456.e7.	5.2	20
41	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. <i>PLoS Biology</i> , 2018, 16, e2004874.	2.6	19
42	MAFB is dispensable for the fetal testis morphogenesis and the maintenance of spermatogenesis in adult mice. <i>PLoS ONE</i> , 2018, 13, e0190800.	1.1	19
43	Heterogeneous, dynamic, and stochastic nature of mammalian spermatogenic stem cells. <i>Current Topics in Developmental Biology</i> , 2019, 135, 245-285.	1.0	18
44	Temperature sensitivity of DNA double-strand break repair underpins heat-induced meiotic failure in mouse spermatogenesis. <i>Communications Biology</i> , 2022, 5, .	2.0	18
45	A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis. <i>Cell Reports</i> , 2021, 37, 109875.	2.9	16
46	Tracing the cellular basis of islet specification in mouse pancreas. <i>Nature Communications</i> , 2020, 11, 5037.	5.8	14
47	Casting back to stem cells. <i>Nature Cell Biology</i> , 2009, 11, 118-120.	4.6	10
48	Stem Cell Populations as Self-Renewing Many-Particle Systems. <i>Annual Review of Condensed Matter Physics</i> , 2021, 12, 135-153.	5.2	9
49	Mouse Spermatogenesis Reflects the Unity and Diversity of Tissue Stem Cell Niche Systems. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a036186.	2.3	6
50	EXOC1 plays an integral role in spermatogonia pseudopod elongation and spermatocyte stable syncytium formation in mice. <i>ELife</i> , 2021, 10, .	2.8	6
51	Regulatory Mechanism of Spermatogenic Stem Cells in Mice: Their Dynamic and Context-Dependent Behavior. <i>Diversity and Commonality in Animals</i> , 2018, , 47-67.	0.7	4
52	Isolation of Murine Spermatogenic Cells using a Violet-Excited Cell-Permeable DNA Binding Dye. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	3
53	Stem Cell Niche System in Mouse Spermatogenesis. , 2011, , 159-175.		1
54	Regulation of spermatogenic stem cell homeostasis by mitogen competition in an open niche microenvironment. <i>Genes and Genetic Systems</i> , 2022, , .	0.2	1

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55	Dynamic homeostasis: From development to aging. <i>Development Growth and Differentiation</i> , 2018, 60, 511-511.	0.6	0