

Robin M Hobbs

List of Publications by Year in descending order

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56
papers

6,500
citations

117625

34
h-index

161849

54
g-index

57
all docs

57
docs citations

57
times ranked

8757
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential role of Plzf in maintenance of spermatogonial stem cells. <i>Nature Genetics</i> , 2004, 36, 653-659.	21.4	852
2	The BTB zinc finger transcriptional regulator PLZF controls the development of invariant natural killer T cell effector functions. <i>Nature Immunology</i> , 2008, 9, 1055-1064.	14.5	503
3	Role of the proto-oncogene Pokemon in cellular transformation and ARF repression. <i>Nature</i> , 2005, 433, 278-285.	27.8	461
4	Generation of functional multipotent adult stem cells from GPR125+ germline progenitors. <i>Nature</i> , 2007, 449, 346-350.	27.8	430
5	Identification of the miR-106b ~ 25 MicroRNA Cluster as a Proto-Oncogenic PTEN-Targeting Intron That Cooperates with Its Host Gene MCM7 in Transformation. <i>Science Signaling</i> , 2010, 3, ra29.	3.6	390
6	Systemic Elevation of PTEN Induces a Tumor-Suppressive Metabolic State. <i>Cell</i> , 2012, 149, 49-62.	28.9	339
7	A Novel Signal Transduction Cascade Involving Direct Physical Interaction of the Renin/Prorenin Receptor With the Transcription Factor Promyelocytic Zinc Finger Protein. <i>Circulation Research</i> , 2006, 99, 1355-1366.	4.5	287
8	TCR-inducible PLZF transcription factor required for innate phenotype of a subset of $\gamma\delta$ T cells with restricted TCR diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12453-12458.	7.1	242
9	Plzf Regulates Germline Progenitor Self-Renewal by Opposing mTORC1. <i>Cell</i> , 2010, 142, 468-479.	28.9	237
10	Cancer-Associated PTEN Mutants Act in a Dominant-Negative Manner to Suppress PTEN Protein Function. <i>Cell</i> , 2014, 157, 595-610.	28.9	235
11	Characterization, Cryopreservation, and Ablation of Spermatogonial Stem Cells in Adult Rhesus Macaques. <i>Stem Cells</i> , 2007, 25, 2330-2338.	3.2	198
12	Regulation of B Versus T Lymphoid Lineage Fate Decision by the Proto-Oncogene LRF. <i>Science</i> , 2007, 316, 860-866.	12.6	190
13	Repression of kit Expression by Plzf in Germ Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 6770-6781.	2.3	178
14	Functional Antagonism between Sall4 and Plzf Defines Germline Progenitors. <i>Cell Stem Cell</i> , 2012, 10, 284-298.	11.1	163
15	A role for mitogen-activated protein kinase activation by integrins in the pathogenesis of psoriasis. <i>Journal of Clinical Investigation</i> , 2001, 108, 527-536.	8.2	145
16	Development of Promyelocytic Zinc Finger and ThPOK-Expressing Innate $\gamma\delta$ T Cells Is Controlled by Strength of TCR Signaling and Id3. <i>Journal of Immunology</i> , 2010, 184, 1268-1279.	0.8	139
17	LRF Is an Essential Downstream Target of GATA1 in Erythroid Development and Regulates BIM-Dependent Apoptosis. <i>Developmental Cell</i> , 2009, 17, 527-540.	7.0	97
18	Vulnerabilities of PTEN TP53-Deficient Prostate Cancers to Compound PARP PI3K Inhibition. <i>Cancer Discovery</i> , 2014, 4, 896-904.	9.4	88

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19	The Transcription Factor Pokemon: A New Key Player in Cancer Pathogenesis: Figure 1.. Cancer Research, 2005, 65, 8575-8578.	0.9	84
20	Molecular regulation of spermatogonial stem cell renewal and differentiation. Reproduction, 2019, 158, R169-R187.	2.6	84
21	Expression of Activated MEK1 in Differentiating Epidermal Cells Is Sufficient to Generate Hyperproliferative and Inflammatory Skin Lesions. Journal of Investigative Dermatology, 2004, 123, 503-515.	0.7	79
22	DDX5 plays essential transcriptional and post-transcriptional roles in the maintenance and function of spermatogonia. Nature Communications, 2019, 10, 2278.	12.8	74
23	Identification of dynamic undifferentiated cell states within the male germline. Nature Communications, 2018, 9, 2819.	12.8	68
24	Differential Requirement of mTOR in Postmitotic Tissues and Tumorigenesis. Science Signaling, 2009, 2, ra2.	3.6	64
25	RAR α -PLZF overcomes PLZF-mediated repression of <i>CRABPI</i> , contributing to retinoid resistance in t(11;17) acute promyelocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18694-18699.	7.1	62
26	Essential Role of the p110 β Subunit of Phosphoinositide 3-OH Kinase in Male Fertility. Molecular Biology of the Cell, 2010, 21, 704-711.	2.1	58
27	Distinct germline progenitor subsets defined through Tsc2 ϵ mTORC1 signaling. EMBO Reports, 2015, 16, 467-480.	4.5	58
28	Disruption of PLZF in Mice Leads to Increased T-Lymphocyte Proliferation, Cytokine Production, and Altered Hematopoietic Stem Cell Homeostasis. Molecular and Cellular Biology, 2004, 24, 10456-10469.	2.3	53
29	Mechanisms regulating mammalian spermatogenesis and fertility recovery following germ cell depletion. Cellular and Molecular Life Sciences, 2019, 76, 4071-4102.	5.4	51
30	Germline Stem Cell Activity Is Sustained by SALL4-Dependent Silencing of Distinct Tumor Suppressor Genes. Stem Cell Reports, 2017, 9, 956-971.	4.8	50
31	CIP2A Promotes Proliferation of Spermatogonial Progenitor Cells and Spermatogenesis in Mice. PLoS ONE, 2012, 7, e33209.	2.5	49
32	Inpp5e suppresses polycystic kidney disease via inhibition of PI3K/Akt-dependent mTORC1 signaling. Human Molecular Genetics, 2016, 25, 2295-2313.	2.9	45
33	Cep55 overexpression causes male-specific sterility in mice by suppressing Foxo1 nuclear retention through sustained activation of PI3K/Akt signaling. FASEB Journal, 2018, 32, 4984-4999.	0.5	43
34	Regulation of Interleukin-1 α Expression by Integrins and Epidermal Growth Factor Receptor in Keratinocytes from a Mouse Model of Inflammatory Skin Disease. Journal of Biological Chemistry, 2003, 278, 19798-19807.	3.4	41
35	Cyclin-dependent kinase antagonizes promyelocytic leukemia zinc-finger through phosphorylation. Oncogene, 2008, 27, 3789-3796.	5.9	36
36	Glucocorticoid-Induced Leucine Zipper (GILZ) Regulates Testicular FOXO1 Activity and Spermatogonial Stem Cell (SSC) Function. PLoS ONE, 2013, 8, e59149.	2.5	29

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37	RNA processing in the male germline: Mechanisms and implications for fertility. <i>Seminars in Cell and Developmental Biology</i> , 2018, 79, 80-91.	5.0	29
38	GILZ-dependent modulation of mTORC1 regulates spermatogonial maintenance. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	25
39	Suppression of <i>CHK1</i> by ETS Family Members Promotes DNA Damage Response Bypass and Tumorigenesis. <i>Cancer Discovery</i> , 2015, 5, 550-563.	9.4	24
40	A Genetic Platform to Model Sarcomagenesis from Primary Adult Mesenchymal Stem Cells. <i>Cancer Discovery</i> , 2015, 5, 396-409.	9.4	22
41	SOX3 promotes generation of committed spermatogonia in postnatal mouse testes. <i>Scientific Reports</i> , 2020, 10, 6751.	3.3	22
42	Generation of Functional Hepatocytes From Mouse Germ Line Cell-Derived Pluripotent Stem Cells In Vitro. <i>Stem Cells and Development</i> , 2010, 19, 1183-1194.	2.1	21
43	Transplantation of Retinal Ganglion Cells Derived from Male Germline Stem Cell as a Potential Treatment to Glaucoma. <i>Stem Cells and Development</i> , 2019, 28, 1365-1375.	2.1	20
44	Revealing cellular and molecular transitions in neonatal germ cell differentiation using Single-cell RNA sequencing. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	20
45	Engineering Strategy and Vector Library for the Rapid Generation of Modular Light-Controlled Protein-Protein Interactions. <i>Journal of Molecular Biology</i> , 2019, 431, 3046-3055.	4.2	19
46	LRF maintains genome integrity by regulating the non-homologous end joining pathway of DNA repair. <i>Nature Communications</i> , 2015, 6, 8325.	12.8	18
47	Control of Glucocorticoid Receptor Levels by PTEN Establishes a Failsafe Mechanism for Tumor Suppression. <i>Molecular Cell</i> , 2020, 80, 279-295.e8.	9.7	14
48	Sperm proteins and cancer testis antigens are released by the seminiferous tubules in mice and men. <i>FASEB Journal</i> , 2021, 35, e21397.	0.5	14
49	Long-Term Maintenance and Meiotic Entry of Early Germ Cells in Murine Testicular Organoids Functionalized by 3D Printed Scaffolds and Air-Medium Interface Cultivation. <i>Frontiers in Physiology</i> , 2021, 12, 757565.	2.8	12
50	Distinctive molecular features of regenerative stem cells in the damaged male germline. <i>Nature Communications</i> , 2022, 13, 2500.	12.8	9
51	Transillumination-Assisted Dissection of Specific Stages of the Mouse Seminiferous Epithelial Cycle for Downstream Immunostaining Analyses. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	8
52	Shape-shifting and tumor suppression by PLZF. <i>Oncotarget</i> , 2010, 1, 3-5.	1.8	7
53	Shape-shifting and tumor suppression by PLZF. <i>Oncotarget</i> , 2010, 1, 3-5.	1.8	7
54	Reprogramming Can Be a Transforming Experience. <i>Cell Stem Cell</i> , 2014, 14, 269-271.	11.1	4

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55	LRF/Pokemon Plays a Pivotal Role in B Versus T Lymphoid Lineage Fate Decision at the Early Lymphoid Progenitor Stage by Opposing Notch1 Signaling.. Blood, 2006, 108, 778-778.	1.4	0
56	The aging spermatogonial stem cell niche. Advances in Stem Cells and Their Niches, 2020, , 41-63.	0.1	0