

Robert F Paulson

List of Publications by Year in descending order

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48
papers

2,352
citations

236925

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docs citations

48
times ranked

2910
citing authors

#	ARTICLE	IF	CITATIONS
1	Lineage Regulators Direct BMP and Wnt Pathways to Cell-Specific Programs during Differentiation and Regeneration. <i>Cell</i> , 2011, 147, 577-589.	28.9	277
2	Stress erythropoiesis: new signals and new stress progenitor cells. <i>Current Opinion in Hematology</i> , 2011, 18, 139-145.	2.5	193
3	BMP4 and Madh5 regulate the erythroid response to acute anemia. <i>Blood</i> , 2005, 105, 2741-2748.	1.4	174
4	Fv2 encodes a truncated form of the Stk receptor tyrosine kinase. <i>Nature Genetics</i> , 1999, 23, 159-165.	21.4	138
5	BMP4, SCF, and hypoxia cooperatively regulate the expansion of murine stress erythroid progenitors. <i>Blood</i> , 2007, 109, 4494-4502.	1.4	134
6	Mechanisms of erythrocyte development and regeneration: implications for regenerative medicine and beyond. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	107
7	Maintenance of the BMP4-dependent stress erythropoiesis pathway in the murine spleen requires hedgehog signaling. <i>Blood</i> , 2009, 113, 911-918.	1.4	93
8	Selenoprotein-dependent Up-regulation of Hematopoietic Prostaglandin D2 Synthase in Macrophages Is Mediated through the Activation of Peroxisome Proliferator-activated Receptor (PPAR) β . <i>Journal of Biological Chemistry</i> , 2011, 286, 27471-27482.	3.4	93
9	Murine erythroid short-term radioprotection requires a BMP4-dependent, self-renewing population of stress erythroid progenitors. <i>Journal of Clinical Investigation</i> , 2010, 120, 4507-4519.	8.2	86
10	In vitro culture of stress erythroid progenitors identifies distinct progenitor populations and analogous human progenitors. <i>Blood</i> , 2015, 125, 1803-1812.	1.4	63
11	β -12-prostaglandin J3, an omega-3 fatty acid-derived metabolite, selectively ablates leukemia stem cells in mice. <i>Blood</i> , 2011, 118, 6909-6919.	1.4	61
12	Inflammation induces stress erythropoiesis through heme-dependent activation of SPI-C. <i>Science Signaling</i> , 2019, 12, .	3.6	56
13	Monocyte-derived macrophages expand the murine stress erythropoietic niche during the recovery from anemia. <i>Blood</i> , 2018, 132, 2580-2593.	1.4	55
14	Hypoxia Regulates BMP4 Expression in the Murine Spleen during the Recovery from Acute Anemia. <i>PLoS ONE</i> , 2010, 5, e11303.	2.5	52
15	Sf-Stk kinase activity and the Grb2 binding site are required for Epo-independent growth of primary erythroblasts infected with Friend virus. <i>Oncogene</i> , 2002, 21, 3562-3570.	5.9	50
16	Stress Erythropoiesis is a Key Inflammatory Response. <i>Cells</i> , 2020, 9, 634.	4.1	50
17	BMP4/Smad5 dependent stress erythropoiesis is required for the expansion of erythroid progenitors during fetal development. <i>Developmental Biology</i> , 2008, 317, 24-35.	2.0	49
18	Extramedullary erythropoiesis in the adult liver requires BMP-4/Smad5-dependent signaling. <i>Experimental Hematology</i> , 2009, 37, 549-558.	0.4	49

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19	The Regulation of Erythropoiesis by Selenium in Mice. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1403-1412.	5.4	48
20	Stress erythropoiesis: definitions and models for its study. <i>Experimental Hematology</i> , 2020, 89, 43-54.e2.	0.4	47
21	Selenoproteins regulate stress erythroid progenitors and spleen microenvironment during stress erythropoiesis. <i>Blood</i> , 2018, 131, 2568-2580.	1.4	39
22	The intricate role of selenium and selenoproteins in erythropoiesis. <i>Free Radical Biology and Medicine</i> , 2018, 127, 165-171.	2.9	38
23	Gdf15 regulates murine stress erythroid progenitor proliferation and the development of the stress erythropoiesis niche. <i>Blood Advances</i> , 2019, 3, 2205-2217.	5.2	36
24	Epo receptor signaling in macrophages alters the splenic niche to promote erythroid differentiation. <i>Blood</i> , 2020, 136, 235-246.	1.4	34
25	A Novel Stat3 Binding Motif in Gab2 Mediates Transformation of Primary Hematopoietic Cells by the Stk/Ron Receptor Tyrosine Kinase in Response to Friend Virus Infection. <i>Molecular and Cellular Biology</i> , 2007, 27, 3708-3715.	2.3	31
26	Selenium Suppresses Leukemia through the Action of Endogenous Eicosanoids. <i>Cancer Research</i> , 2014, 74, 3890-3901.	0.9	30
27	GATA Factor-Regulated Samd14 Enhancer Confers Red Blood Cell Regeneration and Survival in Severe Anemia. <i>Developmental Cell</i> , 2017, 42, 213-225.e4.	7.0	29
28	An intronic sequence mutated in flexed-tail mice regulates splicing of Smad5. <i>Mammalian Genome</i> , 2007, 18, 852-860.	2.2	25
29	Targeting a new regulator of erythropoiesis to alleviate anemia. <i>Nature Medicine</i> , 2014, 20, 334-335.	30.7	25
30	The Regulation of Pathways of Inflammation and Resolution in Immune Cells and Cancer Stem Cells by Selenium. <i>Advances in Cancer Research</i> , 2017, 136, 153-172.	5.0	25
31	Activation of PPAR β by endogenous prostaglandin J2 mediates the antileukemic effect of selenium in murine leukemia. <i>Blood</i> , 2017, 129, 1802-1810.	1.4	24
32	Friend Virus Utilizes the BMP4-Dependent Stress Erythropoiesis Pathway To Induce Erythroleukemia. <i>Journal of Virology</i> , 2008, 82, 382-393.	3.4	22
33	Stress Erythropoiesis Model Systems. <i>Methods in Molecular Biology</i> , 2018, 1698, 91-102.	0.9	17
34	Self-Renewal of Leukemia Stem Cells in Friend Virus-Induced Erythroleukemia Requires Proviral Insertional Activation of Spi1 and Hedgehog Signaling but Not Mutation of p53. <i>Stem Cells</i> , 2012, 30, 121-130.	3.2	16
35	Evaluation of the Stability, Bioavailability, and Hypersensitivity of the Omega-3 Derived Anti-Leukemic Prostaglandin: β -12-Prostaglandin J3. <i>PLoS ONE</i> , 2013, 8, e80622.	2.5	15
36	Epo receptor marks the spot. <i>Blood</i> , 2019, 134, 413-414.	1.4	10

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37	Resistance to Friend Virus-Induced Erythroleukemia in W / W ^v Mice Is Caused by a Spleen-Specific Defect Which Results in a Severe Reduction in Target Cells and a Lack of Sf-Stk Expression. <i>Journal of Virology</i> , 2005, 79, 14586-14594.	3.4	9
38	Podocalyxin selectively marks erythroid-committed progenitors during anemic stress but is dispensable for efficient recovery. <i>Experimental Hematology</i> , 2009, 37, 10-18.	0.4	9
39	Crth2 receptor signaling downregulates lipopolysaccharide-induced NF- κ B activation in murine macrophages via changes in intracellular calcium. <i>FASEB Journal</i> , 2019, 33, 12838-12852.	0.5	8
40	Yap1 promotes proliferation of transiently amplifying stress erythroid progenitors during erythroid regeneration. <i>Experimental Hematology</i> , 2019, 80, 42-54.e4.	0.4	8
41	Interleukin-4 treatment reduces leukemia burden in acute myeloid leukemia. <i>FASEB Journal</i> , 2022, 36, e22328.	0.5	7
42	Co-targeting a selectable marker to the Escherichia coli chromosome improves the recovery rate for mutations induced in BAC clones by homologous recombination. <i>BioTechniques</i> , 2004, 36, 936-940.	1.8	6
43	Mutation of the Lyn tyrosine kinase delays the progression of Friend virus induced erythroleukemia without affecting susceptibility. <i>Leukemia Research</i> , 2006, 30, 1141-1149.	0.8	6
44	Chemopreventive Effects of Dietary Eicosapentaenoic Acid Supplementation in Experimental Myeloid Leukemia. <i>Cancer Prevention Research</i> , 2015, 8, 989-999.	1.5	6
45	Erythropoiesis lagging? pIgA1 steps in to assist Epo. <i>Nature Medicine</i> , 2011, 17, 1346-1348.	30.7	2
46	Podocalyxin Is a Selective Marker of Erythroid Progenitors but Is Dispensable for Anemia Recovery.. <i>Blood</i> , 2007, 110, 1731-1731.	1.4	0
47	Regeneration After Injury: Activation of Stem Cell Stress Response Pathways to Rapidly Repair Tissues. <i>Pancreatic Islet Biology</i> , 2014, , 375-387.	0.3	0
48	Overexpression of Human TLR8 Causes Fatal Anemia in SLE-Prone Mice By Altering the Bone Marrow Erythropoietic Niche. <i>Blood</i> , 2021, 138, 1989-1989.	1.4	0