Martin Holzenberger

List of Publications by Year
in descending order

72 papers	6,879 citations	109137 35 h-index	98622 67 g-index
80 all docs	80 docs citations	80 times ranked	8989 citing authors

#	Article	IF	Citations
1	PTBP1 promotes hematopoietic stem cell maintenance and red blood cell development by ensuring sufficient availability of ribosomal constituents. Cell Reports, 2022, 39, 110793.	2.9	3
2	Deleting IGF-1 receptor from forebrain neurons confers neuroprotection during stroke and upregulates endocrine somatotropin. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 396-412.	2.4	38
3	Igf1r signalling acts on the anagenâ€toâ€catagen transition in the hair cycle. Experimental Dermatology, 2017, 26, 785-791.	1.4	13
4	The Alzheimerâ€™s disease transcriptome mimics the neuroprotective signature of IGF-1 receptor-deficient neurons. Brain, 2017, 140, 2012-2027.	3.7	51
5	CaMKIIÎ± Expression Defines Two Functionally Distinct Populations of Granule Cells Involved in Different Types of Odor Behavior. Current Biology, 2017, 27, 3315-3329.e6.	1.8	15
6	Insulin-like growth factor 1 receptor regulates hypothermia during calorie restriction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9731-9736.	3.3	32
7	Disrupting IGF Signaling in Adult Mice Conditions Leanness, Resilient Energy Metabolism, and High Growth Hormone Pulses. Endocrinology, 2017, 158, 2269-2283.	1.4	17
8	O2â€07â€03: Regulatory T Cells Delay Disease Progression in Alzheimer'sâ€Like Pathology. Alzheimer's and Dementia, 2016, 12, P242.	0.4	0
9	Hypothalamic neurogenesis persists in the aging brain and is controlled by energy-sensing IGF-I pathway. Neurobiology of Aging, 2016, 41, 64-72.	1.5	69
10	Regulatory T cells delay disease progression in Alzheimer-like pathology. Brain, 2016, 139, 1237-1251.	3.7	260
11	Suppression of <scp>IGF</scp>â€I signals in neural stem cells enhances neurogenesis and olfactory function during aging. Aging Cell, 2015, 14, 847-856.	3.0	73
12	Expression of Dominant-Negative Thyroid Hormone Receptor Alpha1 in Leydig and Sertoli Cells Demonstrates No Additional Defect Compared with Expression in Sertoli Cells Only. PLoS ONE, 2015, 10, e0119392.	1.1	11
13	Blocking IGF Signaling in Adult Neurons Alleviates Alzheimer's Disease Pathology through Amyloid-Î² Clearance. Journal of Neuroscience, 2015, 35, 11500-11513.	1.7	124
14	IGF-IR determines the fates of BCR/ABL leukemia. Journal of Hematology and Oncology, 2015, 8, 3.	6.9	16
15	Neural stem cell management by longevity gene IGF-1. Experimental Gerontology, 2015, 68, 99.	1.2	0
16	IGF-1R Reduction Triggers Neuroprotective Signaling Pathways in Spinal Muscular Atrophy Mice. Journal of Neuroscience, 2015, 35, 12063-12079.	1.7	38
17	Longevity effect of <scp>IGF</scp>â€1<scp>R</scp>^{+/â^’} mutation depends on genetic backgroundâ€specific receptor activation. Aging Cell, 2014, 13, 19-28.	3.0	87
18	Beneficial role of regulatory T cells in a mouse model of Alzheimer's disease. Journal of Neuroimmunology, 2014, 275, 124.	1.1	2

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19	The Intestinal Epithelial Insulin-Like Growth Factor-1 Receptor Links Glucagon-Like Peptide-2 Action to Gut Barrier Function. Endocrinology, 2014, 155, 370-379.	1.4	79
20	Proinflammatory Actions of Visfatin/Nicotinamide Phosphoribosyltransferase (Nampt) Involve Regulation of Insulin Signaling Pathway and Nampt Enzymatic Activity. Journal of Biological Chemistry, 2012, 287, 15100-15108.	1.6	56
21	IGF signaling contributes to malignant transformation of hematopoietic progenitors by the MLL-AF9 oncoprotein. Experimental Hematology, 2012, 40, 715-723.e6.	0.2	20
22	Knockout of Insulin-Like Growth Factor-1 Receptor Impairs Distal Lung Morphogenesis. PLoS ONE, 2012, 7, e48071.	1.1	56
23	Loss of Glucagon-Like Peptide-2â€“Induced Proliferation Following Intestinal Epithelial Insulin-Like Growth Factor-1â€“Receptor Deletion. Gastroenterology, 2011, 141, 2166-2175.e7.	0.6	74
24	IGF-I Signaling and Effects on Longevity. Nestle Nutrition Institute Workshop Series, 2011, 68, 237-249.	1.5	12
25	IGF binding protein 2 supports the survival and cycling of hematopoietic stem cells. Blood, 2011, 118, 3236-3243.	0.6	79
26	Exploring endocrine GH pattern in mice using rank plot analysis and random blood samples. Journal of Endocrinology, 2011, 208, 119-129.	1.2	32
27	High-level IGF1R expression is required for leukemia-initiating cell activity in T-ALL and is supported by Notch signaling. Journal of Experimental Medicine, 2011, 208, 1809-1822.	4.2	153
28	Components of the Hematopoietic Compartments in Tumor Stroma and Tumor-Bearing Mice. PLoS ONE, 2011, 6, e18054.	1.1	10
29	High-level IGF1R expression is required for leukemia-initiating cell activity in T-ALL and is supported by Notch signaling. Journal of Cell Biology, 2011, 194, i8-i8.	2.3	0
30	Reduced IGF-1 Signaling Delays Age-Associated Proteotoxicity in Mice. Cell, 2010, 140, 753.	13.5	2
31	IGF Receptors in the Adult Brain. Research and Perspectives in Endocrine Interactions, 2010, , 125-142.	0.2	0
32	Early Postnatal Nutrition Determines Somatotropic Function in Mice. Endocrinology, 2009, 150, 314-323.	1.4	77
33	Reduced IGF-1 Signaling Delays Age-Associated Proteotoxicity in Mice. Cell, 2009, 139, 1157-1169.	13.5	450
34	IGF-1 signaling reduces neuro-inflammatory response and sensitivity of neurons to MPTP. Neurobiology of Aging, 2009, 30, 2021-2030.	1.5	36
35	Interaction of myocardial insulin receptor and IGF receptor signaling in exercise-induced cardiac hypertrophy. Journal of Molecular and Cellular Cardiology, 2009, 47, 664-675.	0.9	42
36	IGF-1R Contributes to Stress-Induced Hepatocellular Damage in Experimental Cholestasis. American Journal of Pathology, 2009, 175, 627-635.	1.9	9

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37	Conditional Deletion of Insulin-like Growth Factor-I Receptor in Prostate Epithelium. Cancer Research, 2008, 68, 3495-3504.	0.4	59
38	Insulin-Like Growth Factor I Receptor Signaling Is Required for Exercise-Induced Cardiac Hypertrophy. Molecular Endocrinology, 2008, 22, 2531-2543.	3.7	178
39	Brain IGF-1 Receptors Control Mammalian Growth and Lifespan through a Neuroendocrine Mechanism. PLoS Biology, 2008, 6, e254.	2.6	248
40	Essential Role of Insulin and Insulin-Like Growth Factor 1 Receptor Signaling in Cardiac Development and Function. Molecular and Cellular Biology, 2007, 27, 1649-1664.	1.1	155
41	Insulin receptors in beta-cells are critical for islet compensatory growth response to insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8977-8982.	3.3	260
42	Total insulin and IGF-I resistance in pancreatic Î² cells causes overt diabetes. Nature Genetics, 2006, 38, 583-588.	9.4	239
43	Insulin-Like Growth Factor 1 Receptor Signaling Regulates Skin Development and Inhibits Skin Keratinocyte Differentiation. Molecular and Cellular Biology, 2006, 26, 2675-2687.	1.1	108
44	Hepatocyte proliferation during liver regeneration is impaired in mice with liverâ€specific IGFâ€1R knockout. FASEB Journal, 2006, 20, 773-775.	0.2	109
45	c-myc-induced hepatocarcinogenesis in the absence of IGF-I receptor. International Journal of Cancer, 2005, 114, 668-672.	2.3	22
46	A French Academic Network for Sharing Transgenic Materials and Knowledge. Transgenic Research, 2005, 14, 801-802.	1.3	3
47	Deficiency in type 1 insulin-like growth factor receptor in mice protects against oxygen-induced lung injury. Respiratory Research, 2005, 6, 31.	1.4	30
48	The GH/IGF-1 Axis: Insights from Animal Models. , 2005, , 41-51.		1
49	The GH/IGF-I axis and longevity. European Journal of Endocrinology, 2004, 151 Suppl 1, S23-S27.	1.9	48
50	IGF-1 signaling and aging. Experimental Gerontology, 2004, 39, 1761-1764.	1.2	60
51	IGF-1 Receptors in Mammalian Longevity: Less is More. Research and Perspectives in Endocrine Interactions, 2004, , 35-48.	0.2	0
52	Major components of the insulin-like growth factor axis are expressed early in chicken embryogenesis, with IGF binding protein (IGFBP) -5 expression subject to regulation by Sonic Hedgehog. Anatomy and Embryology, 2003, 207, 73-84.	1.5	34
53	Cre-mediated recombination in the skin melanocyte lineage. Genesis, 2003, 36, 73-80.	0.8	122
54	Biology of insulin-like growth factors in development. Birth Defects Research Part C: Embryo Today Reviews, 2003, 69, 257-271.	3.6	183

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55	IGF-1 receptor regulates lifespan and resistance to oxidative stress in mice. Nature, 2003, 421, 182-187.	13.7	1,881
56	Cre-mediated germline mosaicism: a new transgenic mouse for the selective removal of residual markers from tri-lox conditional alleles. Nucleic Acids Research, 2003, 31, 21e-21.	6.5	58
57	IGF Type 1 Receptor: A Cell Cycle Progression Factor That Regulates Aging. Cell Cycle, 2003, 2, 269-271.	1.3	13
58	Knockout of insulin and IGF-1 receptors on vascular endothelial cells protects against retinal neovascularization. Journal of Clinical Investigation, 2003, 111, 1835-1842.	3.9	165
59	Physiologie de lâ€™axe somatotrope : intÃ©rÃªt des expÃ©riences dâ€™invalidation gÃ©nique. Bulletin De L'Academie Nationale De Medecine, 2003, 187, 1225-1247.	0.0	2
60	Knockout of insulin and IGF-1 receptors on vascular endothelial cells protects against retinal neovascularization. Journal of Clinical Investigation, 2003, 111, 1835-1842.	3.9	106
61	Î²-cellâ€“specific deletion of the Igf1 receptor leads to hyperinsulinemia and glucose intolerance but does not alter Î²-cell mass. Nature Genetics, 2002, 31, 111-115.	9.4	345
62	IGF Type 1 Receptor Ligand Binding Characteristics Are Altered in a Subgroup of Children with Intrauterine Growth Retardation. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 5516-5524.	1.8	19
63	Experimental IGF-I Receptor Deficiency Generates a Sexually Dimorphic Pattern of Organ-Specific Growth Deficits in Mice, Affecting Fat Tissue in Particular. Endocrinology, 2001, 142, 4469-4478.	1.4	82
64	Ubiquitous postnatal LoxP recombination using a doxycycline auto-inducible Cre transgene (DAI-Cre). Genesis, 2000, 26, 157-159.	0.8	23
65	A Targeted Partial Invalidation of the Insulin-Like Growth Factor I Receptor Gene in Mice Causes a Postnatal Growth Deficit*. Endocrinology, 2000, 141, 2557-2566.	1.4	97
66	Expression of insulinâ€‹like growth factorâ€‹ (IGFâ€‹) and IGFâ€‹ in the avian brain: relationship of in situ hybridization patterns with IGF type 1 receptor expression. International Journal of Developmental Neuroscience, 2000, 18, 69-82.	0.7	26
67	Selective Expression of Insulin-Like Growth Factor II in the Songbird Brain. Journal of Neuroscience, 1997, 17, 6974-6987.	1.7	52
68	The avian IGF type 1 receptor: cDNA analysis and in situ hybridization reveal conserved sequence elements and expression patterns relevant for the development of the nervous system. Developmental Brain Research, 1996, 97, 76-87.	2.1	32
69	Developmental expression of insulin-like growth factors (IGFs) and their type 1 receptor in the chick. Biology of the Cell, 1995, 84, 101-101.	0.7	0
70	Decelerated growth and longevity in men. Archives of Gerontology and Geriatrics, 1991, 13, 89-101.	1.4	16
71	Body surface area as a parameter of age decline. Archives of Gerontology and Geriatrics, 1991, 13, 139-149.	1.4	1
72	Experimental IGF-I Receptor Deficiency Generates a Sexually Dimorphic Pattern of Organ-Specific Growth Deficits in Mice, Affecting Fat Tissue in Particular. , 0, .		31