Amy J Wagers

List of Publications by Citations

73 papers	11,255 citations	36 h-index	76 g-index
76 ext. papers	13,642 ext. citations	16.9 avg, IF	6.05 L-index

#	Paper	IF	Citations
73	Rejuvenation of aged progenitor cells by exposure to a young systemic environment. *Nature*, **2005**, 433, 760-4	50.4	1642
72	The Immunological Genome Project: networks of gene expression in immune cells. *Nature Immunology*, **2008**, 9, 1091-4	19.1	1098
71	M2 microglia and macrophages drive oligodendrocyte differentiation during CNS remyelination. *Nature Neuroscience*, **2013**, 16, 1211-1218	25.5	1032
70	Physiological migration of hematopoietic stem and progenitor cells. *Science*, **2001**, 294, 1933-6	33.3	748
69	Vascular and neurogenic rejuvenation of the aging mouse brain by young systemic factors. *Science*, **2014**, 344, 630-4	33.3	655
68	Growth differentiation factor 11 is a circulating factor that reverses age-related cardiac hypertrophy. *Cell*, **2013**, 153, 828-39	56.2	629
67	Restoring systemic GDF11 levels reverses age-related dysfunction in mouse skeletal muscle. *Science*, **2014**, 344, 649-52	33.3	568
66	Stem cell aging: mechanisms, regulators and therapeutic opportunities. *Nature Medicine*, **2014**, 20, 870-80	30.5	444
65	Rejuvenation of regeneration in the aging central nervous system. *Cell Stem Cell*, **2012**, 10, 96-103	18	434
64	A multifunctional AAV-CRISPR-Cas9 and its host response. *Nature Methods*, **2016**, 13, 868-74	21.6	359
63	Single-cell RNA-seq reveals changes in cell cycle and differentiation programs upon aging of hematopoietic stem cells. *Genome Research*, **2015**, 25, 1860-72	9.7	348
62	Lung stem cell differentiation in mice directed by endothelial cells via a BMP4-NFATc1-thrombospondin-1 axis. *Cell*, **2014**, 156, 440-55	56.2	296
61	Poor Repair of Skeletal Muscle in Aging Mice Reflects a Defect in Local, Interleukin-33-Dependent Accumulation of Regulatory T Cells. *Immunity*, **2016**, 44, 355-67	32.3	256
60	Antigen- and cytokine-driven accumulation of regulatory T cells in visceral adipose tissue of lean mice. *Cell Metabolism*, **2015**, 21, 543-57	24.6	237
59	The transcription factor EGR1 controls both the proliferation and localization of hematopoietic stem cells. *Cell Stem Cell*, **2008**, 2, 380-91	18	215
58	The stem cell niche in regenerative medicine. *Cell Stem Cell*, **2012**, 10, 362-9	18	184
57	The cis-Regulatory Atlas of the Mouse Immune System. *Cell*, **2019**, 176, 897-912.e20	56.2	161

56	Molecular circuitry of stem cell fate in skeletal muscle regeneration, ageing and disease. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 267-79	48.7	156
55	Diminished Schwann cell repair responses underlie age-associated impaired axonal regeneration. *Neuron*, **2014**, 83, 331-343	13.9	156
54	A zebrafish embryo culture system defines factors that promote vertebrate myogenesis across species. *Cell*, **2013**, 155, 909-921	56.2	123
53	Circulating Growth Differentiation Factor 11/8 Levels Decline With Age. *Circulation Research*, **2016**, 118, 29-37	15.7	122
52	The Hippo transducer YAP1 transforms activated satellite cells and is a potent effector of embryonal rhabdomyosarcoma formation. *Cancer Cell*, **2014**, 26, 273-87	24.3	122
51	Biochemistry and Biology of GDF11 and Myostatin: Similarities, Differences, and Questions for Future Investigation. *Circulation Research*, **2016**, 118, 1125-41; discussion 1142	15.7	116
50	FOXP3+ T Cells Recruited to Sites of Sterile Skeletal Muscle Injury Regulate the Fate of Satellite Cells and Guide Effective Tissue Regeneration. *PLoS ONE*, **2015**, 10, e0128094	3.7	98
49	EGLN1 Inhibition and Rerouting of Ketoglutarate Suffice for Remote Ischemic Protection. *Cell*, **2016**, 164, 884-95	56.2	71
48	Rictor/mTORC2 loss in the Myf5 lineage reprograms brown fat metabolism and protects mice against obesity and metabolic disease. *Cell Reports*, **2014**, 8, 256-71	10.6	69
47	Transcriptome analysis identifies regulators of hematopoietic stem and progenitor cells. *Stem Cell Reports*, **2013**, 1, 266-80	8	66
46	Lineage of origin in rhabdomyosarcoma informs pharmacological response. *Genes and Development* , **2014**, 28, 1578-91	12.6	64
45	Structural basis for potency differences between GDF8 and GDF11. *BMC Biology*, **2017**, 15, 19	7.3	63
44	Isolation of progenitors that exhibit myogenic/osteogenic bipotency in vitro by fluorescence-activated cell sorting from human fetal muscle. *Stem Cell Reports*, **2014**, 2, 92-106	8	54
43	Sarcomas induced in discrete subsets of prospectively isolated skeletal muscle cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 20002-7	11.5	54
42	Organism-Level Analysis of Vaccination Reveals Networks of Protection across Tissues. *Cell*, **2017**, 171, 398-413.e21	56.2	50
41	Direct Reprogramming of Mouse Fibroblasts into Functional Skeletal Muscle Progenitors. *Stem Cell Reports*, **2018**, 10, 1505-1521	8	45
40	Developmental regulation of myeloerythroid progenitor function by the Lin28b-let-7-Hmga2 axis. *Journal of Experimental Medicine*, **2016**, 213, 1497-512	16.6	44
39	Young, proliferative thymic epithelial cells engraft and function in aging thymuses. *Journal of Immunology*, **2015**, 194, 4784-95	5.3	43

38	Rhabdomyosarcoma: current challenges and their implications for developing therapies. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4, a025650	5.4	42
37	Functional genomic screening reveals asparagine dependence as a metabolic vulnerability in sarcoma. *ELife*, **2015**, 4,	8.9	35
36	Preserved DNA Damage Checkpoint Pathway Protects against Complications in Long-Standing Type 1 Diabetes. *Cell Metabolism*, **2015**, 22, 239-52	24.6	34
35	Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. *Blood*, **2014**, 124, 2937-47	2.2	34
34	Directed evolution of a family of AAV capsid variants enabling potent muscle-directed gene delivery across species. *Cell*, **2021**, 184, 4919-4938.e22	56.2	30
33	The Firre locus produces a trans-acting RNA molecule that functions in hematopoiesis. *Nature Communications*, **2019**, 10, 5137	17.4	28
32	Cell-cycle dependent expression of a translocation-mediated fusion oncogene mediates checkpoint adaptation in rhabdomyosarcoma. *PLoS Genetics*, **2014**, 10, e1004107	6	26
31	In Situ Modification of Tissue Stem and Progenitor Cell Genomes. *Cell Reports*, **2019**, 27, 1254-1264.e7	10.6	25
30	Engineering Escherichia coli into a protein delivery system for mammalian cells. *ACS Synthetic Biology*, **2015**, 4, 644-54	5.7	25
29	Overexpressing IRS1 in Endothelial Cells Enhances Angioblast Differentiation and Wound Healing in Diabetes and Insulin Resistance. *Diabetes*, **2016**, 65, 2760-71	0.9	24
28	The Vitamin D Receptor Regulates Tissue Resident Macrophage Response to Injury. *Endocrinology*, **2016**, 157, 4066-4075	4.8	23
27	High-level Gpr56 expression is dispensable for the maintenance and function of hematopoietic stem and progenitor cells in mice. *Stem Cell Research*, **2015**, 14, 307-22	1.6	18
26	Phosphoproteomic profiling of mouse primary HSPCs reveals new regulators of HSPC mobilization. *Blood*, **2016**, 128, 1465-74	2.2	15
25	Analysis of Cre-mediated genetic deletion of in cardiomyocytes of young mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 317, H201-H212	5.2	12
24	Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. *Stem Cells Translational Medicine*, **2015**, 4, 1101-8	6.9	11
23	FOS licenses early events in stem cell activation driving skeletal muscle regeneration. *Cell Reports*, **2021**, 34, 108656	10.6	9
22	Prolyl Hydroxylase Domain-2 Inhibition Improves Skeletal Muscle Regeneration in a Male Murine Model of Obesity. *Frontiers in Endocrinology*, **2017**, 8, 153	5.7	8
21	Exogenous GDF11, but not GDF8, reduces body weight and improves glucose homeostasis in mice. *Scientific Reports*, **2020**, 10, 4561	4.9	7

20	Steady-state and regenerative hematopoiesis occurs normally in mice in the absence of GDF11. *Blood*, **2019**, 134, 1712-1716	2.2	6
19	What's in a (Sub)strain?. *Stem Cell Reports*, **2018**, 11, 303-305	8	3
18	Distinct malignant behaviors of mouse myogenic tumors induced by different oncogenetic lesions. *Frontiers in Oncology*, **2015**, 5, 50	5.3	3
17	Thioredoxin Interacting Protein Is Required for a Chronic Energy-Rich Diet to Promote Intestinal Fructose Absorption. *IScience*, **2020**, 23, 101521	6.1	3
16	Aging and Rejuvenation: Insights from Rusty Gage, Leonard Guarente, and Amy Wagers. *Trends in Molecular Medicine*, **2016**, 22, 633-634	11.5	3
15	Variation in zygotic CRISPR/Cas9 gene editing outcomes generates novel reporter and deletion alleles at the Gdf11 locus. *Scientific Reports*, **2019**, 9, 18613	4.9	3
14	Attenuation of PKC enhances metabolic activity and promotes expansion of blood progenitors. *EMBO Journal*, **2018**, 37,	13	3
13	Hedgehog-driven myogenic tumors recapitulate skeletal muscle cellular heterogeneity. *Experimental Cell Research*, **2016**, 340, 43-52	4.2	1
12	Hematopoietic Stem/Progenitor Cell Retention in the Bone Marrow Depends On Tissue Specific Heparan Sulfate Proteoglycans. *Blood*, **2012**, 120, 637-637	2.2	1
11	Methods of Isolation and Analysis of TREG Immune Infiltrates from Injured and Dystrophic Skeletal Muscle. *Methods in Molecular Biology*, **2019**, 1899, 229-237	1.4	0
10	Tissue Derived Non-Classical Monocyte Derived Host Macrophages Protect Against Murine Intestinal Acute Graft-Versus-Host Disease. *Blood*, **2018**, 132, 3315-3315	2.2	
9	Inhibition of Let-7 Maturation By Lin28b Controls Timing of Embryonic and Adult Myeloid Progenitor Phenotypes during Development. *Blood*, **2014**, 124, 763-763	2.2	
8	Age Dependent Alternations In Hematopoietic Stem Cell Niches. *Blood*, **2011**, 118, 2395-2395	2.2	
7	Novel Small-Scale Phosphoproteomic Discovery Of Therapeutic Targets For Hematopoietic Stem and Progenitor Cell Mobilization. *Blood*, **2013**, 122, 1183-1183	2.2	
6	Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells **2020**, 15, e0238572		
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2 Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells **2020**, 15, e0238572

1 Growth inhibition associated with disruption of the actin cytoskeleton by Latrunculin A in rhabdomyosarcoma cells **2020**, 15, e0238572