# Amy J Wagers

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 74 papers | 15,136 citations | 81900 39 h-index | 106344 65 g-index |
| 76 all docs | 76 docs citations | 76 times ranked | 25235 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | FOS licenses early events in stem cell activation driving skeletal muscle regeneration. Cell Reports, 2021, 34, 108656. | 6.4 | 44 |
| 2 | Negative correlation of single-cell PAX3:FOXO1 expression with tumorigenicity in rhabdomyosarcoma. Life Science Alliance, 2021, 4, e202001002. | 2.8 | 4 |
| 3 | Directed evolution of a family of AAV capsid variants enabling potent muscle-directed gene delivery across species. Cell, 2021, 184, 4919-4938.e22. | 28.9 | 193 |
| 4 | Thioredoxin Interacting Protein Is Required for a Chronic Energy-Rich Diet to Promote Intestinal Fructose Absorption. IScience, 2020, 23, 101521. | 4.1 | 7 |
| 5 | Exogenous GDF11, but not GDF8, reduces body weight and improves glucose homeostasis in mice. Scientific Reports, 2020, 10, 4561. | 3.3 | 15 |
| 6 | Title is missing!. , 2020, 15, e0238572. | | 0 |
| 7 | Title is missing!. , 2020, 15, e0238572. | | 0 |
| 8 | Title is missing!. , 2020, 15, e0238572. | | 0 |
| 9 | Title is missing!. , 2020, 15, e0238572. | | 0 |
| 10 | Title is missing!. , 2020, 15, e0238572. | | 0 |
| 11 | Title is missing!. , 2020, 15, e0238572. | | 0 |
| 12 | The Firre locus produces a trans-acting RNA molecule that functions in hematopoiesis. Nature Communications, 2019, 10, 5137. | 12.8 | 60 |
| 13 | Steady-state and regenerative hematopoiesis occurs normally in mice in the absence of GDF11. Blood, 2019, 134, 1712-1716. | 1.4 | 8 |
| 14 | The cis-Regulatory Atlas of the Mouse Immune System. Cell, 2019, 176, 897-912.e20. | 28.9 | 315 |
| 15 | Analysis of Cre-mediated genetic deletion of Gdf11 in cardiomyocytes of young mice. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H201-H212. | 3.2 | 16 |
| 16 | In Situ Modification of Tissue Stem and Progenitor Cell Genomes. Cell Reports, 2019, 27, 1254-1264.e7. | 6.4 | 40 |
| 17 | Variation in zygotic CRISPR/Cas9 gene editing outcomes generates novel reporter and deletion alleles at the Gdf11 locus. Scientific Reports, 2019, 9, 18613. | 3.3 | 5 |
| 18 | Methods of Isolation and Analysis of TREG Immune Infiltrates from Injured and Dystrophic Skeletal Muscle. Methods in Molecular Biology, 2019, 1899, 229-237. | 0.9 | 3 |

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|---|---|---|---|
| 19 | Attenuation of <scp>PKC</scp> Î´ enhances metabolic activity and promotes expansion of blood progenitors. EMBO Journal, 2018, 37, . | 7.8 | 5 |
| 20 | Direct Reprogramming of Mouse Fibroblasts into Functional Skeletal Muscle Progenitors. Stem Cell Reports, 2018, 10, 1505-1521. | 4.8 | 74 |
| 21 | Whatâ€™s in a (Sub)strain?. Stem Cell Reports, 2018, 11, 303-305. | 4.8 | 6 |
| 22 | Tissue Derived Non-Classical Monocyte Derived Host Macrophages Protect Against Murine Intestinal Acute Graft-Versus-Host Disease. Blood, 2018, 132, 3315-3315. | 1.4 | 0 |
| 23 | Structural basis for potency differences between GDF8 and GDF11. BMC Biology, 2017, 15, 19. | 3.8 | 90 |
| 24 | Organism-Level Analysis of Vaccination Reveals Networks of Protection across Tissues. Cell, 2017, 171, 398-413.e21. | 28.9 | 69 |
| 25 | Prolyl Hydroxylase Domain-2 Inhibition Improves Skeletal Muscle Regeneration in a Male Murine Model of Obesity. Frontiers in Endocrinology, 2017, 8, 153. | 3.5 | 11 |
| 26 | Developmental regulation of myeloerythroid progenitor function by the Lin28bâ€“let-7â€“Hmga2 axis. Journal of Experimental Medicine, 2016, 213, 1497-1512. | 8.5 | 62 |
| 27 | Aging and Rejuvenation: Insights from Rusty Gage, Leonard Guarente, and Amy Wagers. Trends in Molecular Medicine, 2016, 22, 633-634. | 6.7 | 4 |
| 28 | Biochemistry and Biology of GDF11 and Myostatin. Circulation Research, 2016, 118, 1125-1142. | 4.5 | 155 |
| 29 | Overexpressing IRS1 in Endothelial Cells Enhances Angioblast Differentiation and Wound Healing in Diabetes and Insulin Resistance. Diabetes, 2016, 65, 2760-2771. | 0.6 | 29 |
| 30 | A multifunctional AAVâ€“CRISPRâ€“Cas9 and its host response. Nature Methods, 2016, 13, 868-874. | 19.0 | 506 |
| 31 | The Vitamin D Receptor Regulates Tissue Resident Macrophage Response to Injury. Endocrinology, 2016, 157, 4066-4075. | 2.8 | 28 |
| 32 | Phosphoproteomic profiling of mouse primary HSPCs reveals new regulators of HSPC mobilization. Blood, 2016, 128, 1465-1474. | 1.4 | 19 |
| 33 | Hedgehog-driven myogenic tumors recapitulate skeletal muscle cellular heterogeneity. Experimental Cell Research, 2016, 340, 43-52. | 2.6 | 3 |
| 34 | Poor Repair of Skeletal Muscle in Aging Mice Reflects a Defect in Local, Interleukin-33-Dependent Accumulation of Regulatory T Cells. Immunity, 2016, 44, 355-367. | 14.3 | 383 |
| 35 | EGLN1 Inhibition and Rerouting of Î±-Ketoglutarate Suffice for Remote Ischemic Protection. Cell, 2016, 164, 884-895. | 28.9 | 108 |
| 36 | Molecular circuitry of stem cell fate in skeletal muscle regeneration, ageing and disease. Nature Reviews Molecular Cell Biology, 2016, 17, 267-279. | 37.0 | 234 |

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|---|---|---|---|
| 37 | Circulating Growth Differentiation Factor 11/8 Levels Decline With Age. Circulation Research, 2016, 118, 29-37. | 4.5 | 161 |
| 38 | Functional genomic screening reveals asparagine dependence as a metabolic vulnerability in sarcoma. ELife, 2015, 4, . | 6.0 | 56 |
| 39 | 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. | 2.5 | 138 |
| 40 | Distinct Malignant Behaviors of Mouse Myogenic Tumors Induced by Different Oncogenetic Lesions. Frontiers in Oncology, 2015, 5, 50. | 2.8 | 3 |
| 41 | Preserved DNA Damage Checkpoint Pathway Protects against Complications in Long-Standing Type 1 Diabetes. Cell Metabolism, 2015, 22, 239-252. | 16.2 | 40 |
| 42 | High-level Gpr56 expression is dispensable for the maintenance and function of hematopoietic stem and progenitor cells in mice. Stem Cell Research, 2015, 14, 307-322. | 0.7 | 26 |
| 43 | Engineering Escherichia coli into a Protein Delivery System for Mammalian Cells. ACS Synthetic Biology, 2015, 4, 644-654. | 3.8 | 34 |
| 44 | Antigen- and Cytokine-Driven Accumulation of Regulatory T Cells in Visceral Adipose Tissue of Lean Mice. Cell Metabolism, 2015, 21, 543-557. | 16.2 | 304 |
| 45 | Young, Proliferative Thymic Epithelial Cells Engraft and Function in Aging Thymuses. Journal of Immunology, 2015, 194, 4784-4795. | 0.8 | 58 |
| 46 | Single-cell RNA-seq reveals changes in cell cycle and differentiation programs upon aging of hematopoietic stem cells. Genome Research, 2015, 25, 1860-1872. | 5.5 | 614 |
| 47 | Excessive Cellular Proliferation Negatively Impacts Reprogramming Efficiency of Human Fibroblasts. Stem Cells Translational Medicine, 2015, 4, 1101-1108. | 3.3 | 11 |
| 48 | Cell-Cycle Dependent Expression of a Translocation-Mediated Fusion Oncogene Mediates Checkpoint Adaptation in Rhabdomyosarcoma. PLoS Genetics, 2014, 10, e1004107. | 3.5 | 38 |
| 49 | Lineage of origin in rhabdomyosarcoma informs pharmacological response. Genes and Development, 2014, 28, 1578-1591. | 5.9 | 87 |
| 50 | Lung Stem Cell Differentiation in Mice Directed by Endothelial Cells via a BMP4-NFATc1-Thrombospondin-1 Axis. Cell, 2014, 156, 440-455. | 28.9 | 417 |
| 51 | Restoring Systemic GDF11 Levels Reverses Age-Related Dysfunction in Mouse Skeletal Muscle. Science, 2014, 344, 649-652. | 12.6 | 706 |
| 52 | Rhabdomyosarcoma: Current Challenges and Their Implications for Developing Therapies. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a025650-a025650. | 6.2 | 60 |
| 53 | Rictor/mTORC2 Loss in the Myf5 Lineage Reprograms Brown Fat Metabolism and Protects Mice against Obesity and Metabolic Disease. Cell Reports, 2014, 8, 256-271. | 6.4 | 92 |
| 54 | The Hippo Transducer YAP1 Transforms Activated Satellite Cells and Is a Potent Effector of Embryonal Rhabdomyosarcoma Formation. Cancer Cell, 2014, 26, 273-287. | 16.8 | 152 |

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|---|---|---|---|
| 55 | Diminished Schwann Cell Repair Responses Underlie Age-Associated Impaired Axonal Regeneration. Neuron, 2014, 83, 331-343. | 8.1 | 215 |
| 56 | Stem cell aging: mechanisms, regulators and therapeutic opportunities. Nature Medicine, 2014, 20, 870-880. | 30.7 | 592 |
| 57 | Isolation of Progenitors that Exhibit Myogenic/Osteogenic Bipotency InÂVitro by Fluorescence-Activated Cell Sorting from Human Fetal Muscle. Stem Cell Reports, 2014, 2, 92-106. | 4.8 | 64 |
| 58 | Vascular and Neurogenic Rejuvenation of the Aging Mouse Brain by Young Systemic Factors. Science, 2014, 344, 630-634. | 12.6 | 857 |
| 59 | Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. Blood, 2014, 124, 2937-2947. | 1.4 | 39 |
| 60 | Inhibition of Let-7 Maturation By Lin28b Controls Timing of Embryonic and Adult Myeloid Progenitor Phenotypes during Development. Blood, 2014, 124, 763-763. | 1.4 | 0 |
| 61 | M2 microglia and macrophages drive oligodendrocyte differentiation during CNS remyelination. Nature Neuroscience, 2013, 16, 1211-1218. | 14.8 | 1,357 |
| 62 | A Zebrafish Embryo Culture System Defines Factors that Promote Vertebrate Myogenesis across Species. Cell, 2013, 155, 909-921. | 28.9 | 144 |
| 63 | Transcriptome Analysis Identifies Regulators of Hematopoietic Stem and Progenitor Cells. Stem Cell Reports, 2013, 1, 266-280. | 4.8 | 100 |
| 64 | Growth Differentiation Factor 11 Is a Circulating Factor that Reverses Age-Related Cardiac Hypertrophy. Cell, 2013, 153, 828-839. | 28.9 | 791 |
| 65 | Novel Small-Scale Phosphoproteomic Discovery Of Therapeutic Targets For Hematopoietic Stem and Progenitor Cell Mobilization. Blood, 2013, 122, 1183-1183. | 1.4 | 0 |
| 66 | Rejuvenation of Regeneration in the Aging Central Nervous System. Cell Stem Cell, 2012, 10, 96-103. | 11.1 | 552 |
| 67 | The Stem Cell Niche in Regenerative Medicine. Cell Stem Cell, 2012, 10, 362-369. | 11.1 | 229 |
| 68 | Hematopoietic Stem/Progenitor Cell Retention in the Bone Marrow Depends On Tissue Specific Heparan Sulfate Proteoglycans. Blood, 2012, 120, 637-637. | 1.4 | 1 |
| 69 | 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, 20002-20007. | 7.1 | 66 |
| 70 | Age Dependent Alternations In Hematopoietic Stem Cell Niches. Blood, 2011, 118, 2395-2395. | 1.4 | 8 |
| 71 | The Immunological Genome Project: networks of gene expression in immune cells. Nature Immunology, 2008, 9, 1091-1094. | 14.5 | 1,576 |
| 72 | The Transcription Factor EGR1 Controls Both the Proliferation and Localization of Hematopoietic Stem Cells. Cell Stem Cell, 2008, 2, 380-391. | 11.1 | 281 |

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|---|---|---|---|
| 73 | Rejuvenation of aged progenitor cells by exposure to a young systemic environment. Nature, 2005, 433, 760-764. | 27.8 | 1,926 |
| 74 | Physiological Migration of Hematopoietic Stem and Progenitor Cells. Science, 2001, 294, 1933-1936. | 12.6 | 844 |