Andreas Trumpp

List of Publications by Year in Descending Order

210 papers	19,281 citations	66 h-index	137 g-index
264 ext. papers	22,866 ext. citations	12.4 avg, IF	6.6 L-index

#	Paper	IF	Citations
210	Abstract PD9-07: Mdm2 gene amplification in estrogen receptor-positive breast cancer cells is associated with enhanced solid tumor growth and pronounced metastatic potential in humanized tumor mice (HTM) and a poor outcome of patients with luminal breast cancer. *Cancer Research*, **2022**, 82, PD9-07-PD9-07	10.1	
209	CRISPR-Cas9 mediated generation of a conditional poly(A) binding protein nuclear 1 (Pabpn1) mouse model reveals an essential role for hematopoietic stem cells.. *Scientific Reports*, **2022**, 12, 7181	4.9	
208	Antigen presentation safeguards the integrity of the hematopoietic stem cell pool.. *Cell Stem Cell*, **2022**, 29, 760-775.e10	18	1
207	MYCN mediates cysteine addiction and sensitizes neuroblastoma to ferroptosis.. *Nature Cancer*, **2022**, 3, 471-485	15.4	0
206	TNF-□producing macrophages determine subtype identity and prognosis via AP1 enhancer reprogramming in pancreatic cancer.. *Nature Cancer*, **2021**, 2, 1185-1203	15.4	3
205	Single-cell proteo-genomic reference maps of the hematopoietic system enable the purification and massive profiling of precisely defined cell states. *Nature Immunology*, **2021**, 22, 1577-1589	19.1	14
204	Leukemic Stem Cells of Monocytic AMLs Are Not-Resistant to BCL-2 Inhibition. *Blood*, **2021**, 138, 3469-3469	20.7	
203	Paul S. Frenette (1965-2021). *Cell Stem Cell*, **2021**, 28, 1686-1689	18	
202	Mouse multipotent progenitor 5 cells are located at the interphase between hematopoietic stem and progenitor cells. *Blood*, **2021**, 137, 3218-3224	2.2	5
201	Identification of leukemic and pre-leukemic stem cells by clonal tracking from single-cell transcriptomics. *Nature Communications*, **2021**, 12, 1366	17.4	26
200	Versatile workflow for cell type-resolved transcriptional and epigenetic profiles from cryopreserved human lung. *JCI Insight*, **2021**, 6,	9.9	2
199	Hotspot DNMT3A mutations in clonal hematopoiesis and acute myeloid leukemia sensitize cells to azacytidine via viral mimicry response.. *Nature Cancer*, **2021**, 2, 527-544	15.4	10
198	Alternative Polyadenylation in Stem Cell Self-Renewal and Differentiation. *Trends in Molecular Medicine*, **2021**, 27, 660-672	11.5	8
197	Aggressive PDACs Show Hypomethylation of Repetitive Elements and the Execution of an Intrinsic IFN Program Linked to a Ductal Cell of Origin. *Cancer Discovery*, **2021**, 11, 638-659	24.4	24
196	Identification and Characterization of Cancer Cells That Initiate Metastases to the Brain and Other Organs. *Molecular Cancer Research*, **2021**, 19, 688-701	6.6	11
195	An interplay of NOX1-derived ROS and oxygen determines the spermatogonial stem cell self-renewal efficiency under hypoxia. *Genes and Development*, **2021**, 35, 250-260	12.6	7
194	Analysis of nonleukemic cellular subcompartments reconstructs clonal evolution of acute myeloid leukemia and identifies therapy-resistant preleukemic clones. *International Journal of Cancer*, **2021**, 148, 2825-2838	7.5	2

193	Paul S. Frenette (1965-2021). *Cell*, **2021**, 184, 5073-5076	56.2	0
192	New Insights Into Pancreatic Cancer: Notes from a Virtual Meeting. *Gastroenterology*, **2021**, 161, 785-791	13.3	1
191	Temporal multi-omics identifies LRG1 as a vascular niche instructor of metastasis. *Science Translational Medicine*, **2021**, 13, eabe6805	17.5	11
190	Niche derived netrin-1 regulates hematopoietic stem cell dormancy via its receptor neogenin-1. *Nature Communications*, **2021**, 12, 608	17.4	12
189	Quantitative proteomics reveals specific metabolic features of acute myeloid leukemia stem cells. *Blood*, **2020**, 136, 1507-1519	2.2	22
188	Metastasis-initiating cells induce and exploit a fibroblast niche to fuel malignant colonization of the lungs. *Nature Communications*, **2020**, 11, 1494	17.4	51
187	Differential Alternative Polyadenylation Landscapes Mediate Hematopoietic Stem Cell Activation and Regulate Glutamine Metabolism. *Cell Stem Cell*, **2020**, 26, 722-738.e7	18	19
186	Innovations, challenges, and minimal information for standardization of humanized mice. *EMBO Molecular Medicine*, **2020**, 12, e8662	12	38
185	HER2-targeted therapy influences CTC status in metastatic breast cancer. *Breast Cancer Research and Treatment*, **2020**, 182, 127-136	4.4	12
184	Combined single-cell and spatial transcriptomics reveal the molecular, cellular and spatial bone marrow niche organization. *Nature Cell Biology*, **2020**, 22, 38-48	23.4	221
183	Adult blood stem cell localization reflects the abundance of reported bone marrow niche cell types and their combinations. *Blood*, **2020**, 136, 2296-2307	2.2	28
182	Survival differences and associated molecular signatures of DNMT3A-mutant acute myeloid leukemia patients. *Scientific Reports*, **2020**, 10, 12761	4.9	9
181	The long non-coding RNA Meg3 is dispensable for hematopoietic stem cells. *Scientific Reports*, **2019**, 9, 2110	4.9	7
180	Absence of NKG2D ligands defines leukaemia stem cells and mediates their immune evasion. *Nature*, **2019**, 572, 254-259	50.4	131
179	OMIP-059: Identification of Mouse Hematopoietic Stem and Progenitor Cells with Simultaneous Detection of CD45.1/2 and Controllable Green Fluorescent Protein Expression by a Single Staining Panel. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2019**, 95, 1049-1052	4.6	6
178	Haematopoietic stem cells in perisinusoidal niches are protected from ageing. *Nature Cell Biology*, **2019**, 21, 1309-1320	23.4	45
177	Targeting VLA4 integrin and CXCR2 mobilizes serially repopulating hematopoietic stem cells. *Journal of Clinical Investigation*, **2019**, 129, 2745-2759	15.9	20
176	Identification of Embryonic Neural Plate Border Stem Cells and Their Generation by Direct Reprogramming from Adult Human Blood Cells. *Cell Stem Cell*, **2019**, 24, 166-182.e13	18	24

175	Deterministic Somatic Cell Reprogramming Involves Continuous Transcriptional Changes Governed by Myc and Epigenetic-Driven Modules. *Cell Stem Cell*, **2019**, 24, 328-341.e9	18	25
174	Sustained prognostic impact of circulating tumor cell status and kinetics upon further progression of metastatic breast cancer. *Breast Cancer Research and Treatment*, **2019**, 173, 155-165	4.4	6
173	Single cell polarity in liquid phase facilitates tumour metastasis. *Nature Communications*, **2018**, 9, 887	17.4	30
172	An Intrinsic Interferon Program Protects Stem Cells from Viral Infection. *Developmental Cell*, **2018**, 44, 279-280	10.2	3
171	AMPK promotes survival of c-Myc-positive melanoma cells by suppressing oxidative stress. *EMBO Journal*, **2018**, 37,	13	26
170	Circulating free DNA integrity and concentration as independent prognostic markers in metastatic breast cancer. *Breast Cancer Research and Treatment*, **2018**, 169, 69-82	4.4	36
169	A Myc enhancer cluster regulates normal and leukaemic haematopoietic stem cell hierarchies. *Nature*, **2018**, 553, 515-520	50.4	142
168	Saa3 is a key mediator of the protumorigenic properties of cancer-associated fibroblasts in pancreatic tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1147-E1156	11.5	84
167	The molecular signature of AML with increased ALDH activity suggests a stem cell origin. *Leukemia and Lymphoma*, **2018**, 59, 2201-2210	1.9	9
166	Senescence-associated reprogramming promotes cancer stemness. *Nature*, **2018**, 553, 96-100	50.4	396
165	Causes and Consequences of Hematopoietic Stem Cell Heterogeneity. *Cell Stem Cell*, **2018**, 22, 627-638	18	118
164	Single-cell characterization of haematopoietic progenitors and their trajectories in homeostasis and perturbed haematopoiesis. *Nature Cell Biology*, **2018**, 20, 836-846	23.4	151
163	Absence of NKG2D Ligands Defines Human Acute Myeloid Leukaemia Stem Cells and Mediates Their Immune Evasion. *Blood*, **2018**, 132, 769-769	2.2	1
162	The Netrin-1 - Neogenin Axis Regulates Hematopoietic Stem Cell Dormancy and Function with Implications for Stem Cell Ageing. *Blood*, **2018**, 132, 637-637	2.2	2
161	Characteristic Amino Acid and Energy Metabolism in AML Stem Cells As Revealed By Quantitative Multiplex Proteomics. *Blood*, **2018**, 132, 2780-2780	2.2	1
160	Combined Single-Cell and Spatial Transcriptomics to Deconvolute the Hematopoietic Stem Cell Niche. *Blood*, **2018**, 132, 876-876	2.2	
159	Pancreatic Ductal Adenocarcinoma Subtyping Using the Biomarkers Hepatocyte Nuclear Factor-1A and Cytokeratin-81 Correlates with Outcome and Treatment Response. *Clinical Cancer Research*, **2018**, 24, 351-359	12.9	60
158	Wnt1 is an Lrp5-independent bone-anabolic Wnt ligand. *Science Translational Medicine*, **2018**, 10,	17.5	42

157	Developmental vascular regression is regulated by a Wnt/β-catenin, MYC and CDKN1A pathway that controls cell proliferation and cell death. *Development (Cambridge)*, **2018**, 145,	6.6	17
156	Acquired CYP19A1 amplification is an early specific mechanism of aromatase inhibitor resistance in ER+ metastatic breast cancer. *Nature Genetics*, **2017**, 49, 444-450	36.3	46
155	Endothelial Notch1 Activity Facilitates Metastasis. *Cancer Cell*, **2017**, 31, 355-367	24.3	161
154	MALDI versus ESI: The Impact of the Ion Source on Peptide Identification. *Journal of Proteome Research*, **2017**, 16, 1207-1215	5.6	37
153	Vitamin A-Retinoic Acid Signaling Regulates Hematopoietic Stem Cell Dormancy. *Cell*, **2017**, 169, 807-823	36.2	200
152	High prevalence of incidental and symptomatic venous thromboembolic events in patients with advanced pancreatic cancer under palliative chemotherapy: A retrospective cohort study. *Pancreatology*, **2017**, 17, 629-634	3.8	7
151	Systemic Virus Infections Differentially Modulate Cell Cycle State and Functionality of Long-Term Hematopoietic Stem Cells In Vivo. *Cell Reports*, **2017**, 19, 2345-2356	10.6	40
150	Reduced hematopoietic stem cell frequency predicts outcome in acute myeloid leukemia. *Haematologica*, **2017**, 102, 1567-1577	6.6	24
149	Human haematopoietic stem cell lineage commitment is a continuous process. *Nature Cell Biology*, **2017**, 19, 271-281	23.4	441
148	Survival of pancreatic cancer cells lacking KRAS function. *Nature Communications*, **2017**, 8, 1090	17.4	88
147	Stem cells make leukemia grow again. *EMBO Journal*, **2017**, 36, 2667-2669	13	7
146	Screening drug effects in patient-derived cancer cells links organoid responses to genome alterations. *Molecular Systems Biology*, **2017**, 13, 955	12.2	113
145	BCAT1 restricts αKG levels in AML stem cells leading to IDHmut-like DNA hypermethylation. *Nature* , **2017**, 551, 384-388	50.4	154
144	Identification and Validation of Novel Subtype-Specific Protein Biomarkers in Pancreatic Ductal Adenocarcinoma. *Pancreas*, **2017**, 46, 311-322	2.6	19
143	A Stem Cell-Based Epigenetic Memory Mediates Interferon Response-Heterogeneity within the Hematopoietic System. *Blood*, **2017**, 130, 634-634	2.2	1
142	Selection and dynamics of embryonic stem cell integration into early mouse embryos. *Development (Cambridge)*, **2016**, 143, 24-34	6.6	29
141	Convergence of cMyc and β-catenin on Tcf7l1 enables endoderm specification. *EMBO Journal*, **2016** , 35, 356-68	13	26
140	The pivotal role of reactivity in the design of novel biotinylation reagents for the chemical-proteomics-based identification of vascular accessible biomarkers. *Journal of Proteomics*, **2016**, 141, 57-66	3.9	5

139	Circulating miRNAs with prognostic value in metastatic breast cancer and for early detection of metastasis. *Carcinogenesis*, **2016**, 37, 461-70	4.6	102
138	Myc Depletion Induces a Pluripotent Dormant State Mimicking Diapause. *Cell*, **2016**, 164, 668-80	56.2	132
137	miR-126 Drives Quiescence and Self-Renewal in Leukemic Stem Cells. *Cancer Cell*, **2016**, 29, 133-5	24.3	16
136	CYP3A5 mediates basal and acquired therapy resistance in different subtypes of pancreatic ductal adenocarcinoma. *Nature Medicine*, **2016**, 22, 278-87	50.5	148
135	Ion source-dependent performance of 4-vinylpyridine, iodoacetamide, and N-maleoyl derivatives for the detection of cysteine-containing peptides in complex proteomics. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 2055-67	4.4	5
134	STEM CELLS. Potency finds its niches. *Science*, **2016**, 351, 126-7	33.3	4
133	Transition out of HSC Dormancy By a Continuous Upregulation of Metabolism Is Controlled Via Dietary Vitamin A/ Retinoic Acid Signaling. *Blood*, **2016**, 128, LBA-4-LBA-4	2.2	1
132	Plasma hyaluronic acid level as a prognostic and monitoring marker of metastatic breast cancer. *International Journal of Cancer*, **2016**, 138, 2499-509	7.5	28
131	Metabolic cues for hematopoietic stem cells. *Science*, **2016**, 354, 1103-1104	33.3	
130	Myc/Mycn-mediated glycolysis enhances mouse spermatogonial stem cell self-renewal. *Genes and Development*, **2016**, 30, 2637-2648	12.6	41
129	Plasma S100P level as a novel prognostic marker of metastatic breast cancer. *Breast Cancer Research and Treatment*, **2016**, 157, 329-338	4.4	11
128	Mutational hierarchies in myelodysplastic syndromes dynamically adapt and evolve upon therapy response and failure. *Blood*, **2016**, 128, 1246-59	2.2	91
127	Impact of apoptotic circulating tumor cells (aCTC) in metastatic breast cancer. *Breast Cancer Research and Treatment*, **2016**, 160, 277-290	4.4	18
126	Identification of a tumor-reactive T-cell repertoire in the immune infiltrate of patients with resectable pancreatic ductal adenocarcinoma. *OncoImmunology*, **2016**, 5, e1240859	7.2	51
125	The influence of prostatic anatomy and neurotrophins on basal prostate epithelial progenitor cells. *Prostate*, **2016**, 76, 114-21	4.2	2
124	Suppression of early hematogenous dissemination of human breast cancer cells to bone marrow by retinoic Acid-induced 2. *Cancer Discovery*, **2015**, 5, 506-19	24.4	27
123	A Synergistic Interaction between Chk1- and MK2 Inhibitors in KRAS-Mutant Cancer. *Cell*, **2015**, 162, 146-59	56.2	82
122	CD95 promotes metastatic spread via Sck in pancreatic ductal adenocarcinoma. *Cell Death and Differentiation*, **2015**, 22, 1192-202	12.7	31

121	The impact of HER2 phenotype of circulating tumor cells in metastatic breast cancer: a retrospective study in 107 patients. *BMC Cancer*, **2015**, 15, 403	4.8	57
120	Hematopoietic stem cell quiescence and function are controlled by the CYLD-TRAF2-p38MAPK pathway. *Journal of Experimental Medicine*, **2015**, 212, 525-38	16.6	39
119	Inflammation-Induced Emergency Megakaryopoiesis Driven by Hematopoietic Stem Cell-like Megakaryocyte Progenitors. *Cell Stem Cell*, **2015**, 17, 422-34	18	245
118	Transcriptional Heterogeneity and Lineage Commitment in Myeloid Progenitors. *Cell*, **2015**, 163, 1663-77	56.2	631
117	The sialyl-glycolipid stage-specific embryonic antigen 4 marks a subpopulation of chemotherapy-resistant breast cancer cells with mesenchymal features. *Breast Cancer Research*, **2015**, 17, 146	8.3	35
116	An advanced preclinical mouse model for acute myeloid leukemia using patientsScells of various genetic subgroups and in vivo bioluminescence imaging. *PLoS ONE*, **2015**, 10, e0120925	3.7	63
115	Defined conditions for the isolation and expansion of basal prostate progenitor cells of mouse and human origin. *Stem Cell Reports*, **2015**, 4, 503-18	8	19
114	The rarity of ALDH(+) cells is the key to separation of normal versus leukemia stem cells by ALDH activity in AML patients. *International Journal of Cancer*, **2015**, 137, 525-36	7.5	36
113	Exit from dormancy provokes DNA-damage-induced attrition in haematopoietic stem cells. *Nature*, **2015**, 520, 549-52	50.4	372
112	Stem Cell-like Megakaryocyte Progenitors As Driving Forces of IFN-Induced Emergency Megakaryopooesis. *Blood*, **2015**, 126, 2391-2391	2.2	0
111	A novel autosomal recessive TERT T1129P mutation in a dyskeratosis congenita family leads to cellular senescence and loss of CD34+ hematopoietic stem cells not reversible by mTOR-inhibition. *Aging*, **2015**, 7, 911-27	5.6	10
110	Hematopoietic stem cell quiescence and function are controlled by the CYLDTRAF2p38MAPK pathway. *Journal of Cell Biology*, **2015**, 209, 2091OIA63	7.3	1
109	Improved HSC reconstitution and protection from inflammatory stress and chemotherapy in mice lacking granzyme B. *Journal of Experimental Medicine*, **2014**, 211, 769-79	16.6	15
108	Plasma DNA integrity as a biomarker for primary and metastatic breast cancer and potential marker for early diagnosis. *Breast Cancer Research and Treatment*, **2014**, 146, 163-74	4.4	114
107	Identification of DNA methylation changes at cis-regulatory elements during early steps of HSC differentiation using tagmentation-based whole genome bisulfite sequencing. *Cell Cycle*, **2014**, 13, 3476-87	4.7	31
106	Identification of regulatory networks in HSCs and their immediate progeny via integrated proteome, transcriptome, and DNA methylome analysis. *Cell Stem Cell*, **2014**, 15, 507-522	18	320
105	Serial enumeration of circulating tumor cells predicts treatment response and prognosis in metastatic breast cancer: a prospective study in 393 patients. *BMC Cancer*, **2014**, 14, 512	4.8	52
104	The impact of type 2 diabetes on the outcome of localized renal cell carcinoma. *World Journal of Urology*, **2014**, 32, 1537-42	4	12

103	Myelodysplastic cells in patients reprogram mesenchymal stromal cells to establish a transplantable stem cell niche disease unit. *Cell Stem Cell*, **2014**, 14, 824-37	18	267
102	Posttranscriptional regulation of c-Myc expression in adult murine HSCs during homeostasis and interferon-induced stress response. *Blood*, **2014**, 123, 3909-13	2.2	26
101	Loss of SPARC protects hematopoietic stem cells from chemotherapy toxicity by accelerating their return to quiescence. *Blood*, **2014**, 123, 4054-63	2.2	24
100	Transcriptome-wide profiling and posttranscriptional analysis of hematopoietic stem/progenitor cell differentiation toward myeloid commitment. *Stem Cell Reports*, **2014**, 3, 858-75	8	25
99	Expression and prognostic significance of cancer stem cell markers CD24 and CD44 in urothelial bladder cancer xenografts and patients undergoing radical cystectomy. *Urologic Oncology: Seminars and Original Investigations*, **2014**, 32, 678-86	2.8	34
98	Chemotherapy-Induced Senescence Reprograms Lymphoma and Leukemia Cells into Latent Cancer Stem Cells That Are Susceptible to Conceptually Novel Treatments. *Blood*, **2014**, 124, 4788-4788	2.2	1
97	Co-expression of MET and CD47 is a novel prognosticator for survival of luminal breast cancer patients. *Oncotarget*, **2014**, 5, 8147-60	3.3	64
96	A Novel Enhancer Region 1.7Mb Downstream of the C-Myc Gene Drives Its Expression in Hematopoietic Stem and Progenitor Cells. *Blood*, **2014**, 124, 766-766	2.2	
95	Quantitative Analysis of Patient-Specific Lesions in Primary and Xenografted Myelodysplastic Syndromes Reveals Complex Hierarchies and Subclonal Diversity That Evolve during Disease Progression. *Blood*, **2014**, 124, 4604-4604	2.2	
94	Bioluminescence in Vivo Imaging Improves the Model of Individual PatientsSAML Cells Growing in Mice for Sensitive and Reliable Preclinical Treatment Trials on Various Genetic Subgroups. *Blood*, **2014**, 124, 2323-2323	2.2	
93	In-Depth Quantitative Multiplex Proteomics Reveal Subtype-Specific Differences Among Functionally Validated AML Stem Cell Populations. *Blood*, **2014**, 124, 2144-2144	2.2	
92	Altered HSC Metabolism in Response to Stress Leads to De Novo dna Damage and Cellular Attrition. *Blood*, **2014**, 124, 255-255	2.2	
91	Development and characteristics of preclinical experimental models for the research of rare neuroendocrine bladder cancer. *Journal of Urology*, **2013**, 190, 2263-70	2.5	12
90	Hypermutation of the inactive X chromosome is a frequent event in cancer. *Cell*, **2013**, 155, 567-81	56.2	50
89	Pten loss in the bone marrow leads to G-CSF-mediated HSC mobilization. *Journal of Experimental Medicine*, **2013**, 210, 2337-49	16.6	31
88	Label retaining cells in cancer--the dormant root of evil?. *Cancer Letters*, **2013**, 341, 73-9	9.9	16
87	The prognostic impact of circulating tumor cells in subtypes of metastatic breast cancer. *Breast Cancer Research and Treatment*, **2013**, 137, 503-10	4.4	105
86	Identification of a population of blood circulating tumor cells from breast cancer patients that initiates metastasis in a xenograft assay. *Nature Biotechnology*, **2013**, 31, 539-44	44.5	764

85	Instruction of haematopoietic lineage choices, evolution of transcriptional landscapes and cancer stem cell hierarchies derived from an AML1-ETO mouse model. *EMBO Molecular Medicine*, **2013**, 5, 1804-20	12	25
84	HSC Exit From Dormancy Provokes De Novo DNA Damage, Leading To Bone Marrow Failure If Unresolved By The Fanconi Anemia Pathway. *Blood*, **2013**, 122, 799-799	2.2	
83	Next Generation Sequencing-Based Molecular Dissection Of Lineage-Specific Mutational Hierarchies In Oligoclonal Primary and Xenografted Myelodysplasia. *Blood*, **2013**, 122, 519-519	2.2	
82	Identification Of Novel Markers Of Human AML Stem Cells Using High Resolution Proteomics and Transcriptomics. *Blood*, **2013**, 122, 4194-4194	2.2	
81	MDS-Derived Stromal Cells Exhibit Altered Gene Expression and Support The Engraftment Of lin-CD34+CD38- Disease-Initiating Stem Cells In a Xenograft Model Of Lower Risk MDS. *Blood*, **2013**, 122, 100-100	2.2	
80	Constitutive gray hair in mice induced by melanocyte-specific deletion of c-Myc. *Pigment Cell and Melanoma Research*, **2012**, 25, 312-25	4.5	9
79	What does the concept of the stem cell niche really mean today?. *BMC Biology*, **2012**, 10, 19	7.3	131
78	Circulating miRNAs as surrogate markers for circulating tumor cells and prognostic markers in metastatic breast cancer. *Clinical Cancer Research*, **2012**, 18, 5972-82	12.9	217
77	The evolving concept of cancer and metastasis stem cells. *Journal of Cell Biology*, **2012**, 198, 281-93	7.3	299
76	Multiple myeloma-related deregulation of bone marrow-derived CD34(+) hematopoietic stem and progenitor cells. *Blood*, **2012**, 120, 2620-30	2.2	66
75	Proteomic cornerstones of hematopoietic stem cell differentiation: distinct signatures of multipotent progenitors and myeloid committed cells. *Molecular and Cellular Proteomics*, **2012**, 11, 286-302	7.6	52
74	Genome-wide mapping of Myc binding and gene regulation in serum-stimulated fibroblasts. *Oncogene*, **2012**, 31, 1695-709	9.2	75
73	Therapy of chronic myeloid leukaemia can benefit from the activation of stem cells: simulation studies of different treatment combinations. *British Journal of Cancer*, **2012**, 106, 1742-52	8.7	19
72	Leukemic spleen cells are more potent than bone marrow-derived cells in a transgenic mouse model of CML. *Leukemia*, **2012**, 26, 1030-7	10.7	22
71	Significant Engraftment of Immature Hematopoietic Cells From Patients with Low Risk Myelodysplastic Syndromes (MDS) in Immunodeficient Mice. *Blood*, **2012**, 120, 1694-1694	2.2	
70	Breaking the cell cycle of HSCs by p57 and friends. *Cell Stem Cell*, **2011**, 9, 187-92	18	46
69	Enhanced c-Met activity promotes G-CSF-induced mobilization of hematopoietic progenitor cells via ROS signaling. *Blood*, **2011**, 117, 419-28	2.2	109
68	Lineage- and stage-restricted lentiviral vectors for the gene therapy of chronic granulomatous disease. *Gene Therapy*, **2011**, 18, 1087-97	4	36

67	Toward modeling the bone marrow niche using scaffold-based 3D culture systems. *Biomaterials*, **2011**, 32, 321-9	15.6	128
66	The bone marrow stem cell niche grows up: mesenchymal stem cells and macrophages move in. *Journal of Experimental Medicine*, **2011**, 208, 421-8	16.6	440
65	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, 1809-22	16.6	133
64	N-myc controls proliferation, morphogenesis, and patterning of the inner ear. *Journal of Neuroscience*, **2011**, 31, 7178-89	6.6	44
63	Stress-Induced Activation of Dormant Hematopoietic Stem Cells In Vivo,. *Blood*, **2011**, 118, 3390-3390	2.2	1
62	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	7.3	
61	The Disease-Related Bone Marrow Microenvironment Alters Hematopoietic Stem and Progenitor Function in Multiple Myeloma Patients. *Blood*, **2011**, 118, 2898-2898	2.2	
60	Awakening dormant haematopoietic stem cells. *Nature Reviews Immunology*, **2010**, 10, 201-9	36.5	301
59	Targeting leukemic stem cells by breaking their dormancy. *Molecular Oncology*, **2010**, 4, 443-50	7.9	137
58	Tuning mTORC1 activity for balanced self-renewal and differentiation. *Developmental Cell*, **2010**, 19, 187-8	10.2	5
57	c-Myc controls the development of CD8alphaalpha TCRalphabeta intestinal intraepithelial lymphocytes from thymic precursors by regulating IL-15-dependent survival. *Blood*, **2010**, 115, 4431-8	2.2	18
56	Inducible gene and shRNA expression in resident hematopoietic stem cells in vivo. *Stem Cells*, **2010**, 28, 1390-8	5.8	27
55	Activation of Dormant Hematopoietic Stem Cells In Vivo by the Endotoxin LPS.. *Blood*, **2010**, 116, 1613-1613	2.2	1
54	Estimating dormant and active hematopoietic stem cell kinetics through extensive modeling of bromodeoxyuridine label-retaining cell dynamics. *PLoS ONE*, **2009**, 4, e6972	3.7	65
53	Selective requirement for c-Myc at an early stage of V(alpha)14i NKT cell development. *Journal of Immunology*, **2009**, 182, 4641-8	5.3	72
52	Regulation of episomal gene expression by KRAB/KAP1-mediated histone modifications. *Journal of Virology*, **2009**, 83, 5574-80	6.6	24
51	Coordinated control of self-renewal and differentiation of neural stem cells by Myc and the p19ARF-p53 pathway. *Journal of Cell Biology*, **2009**, 184, 335-335	7.3	78
50	Histone acetyltransferase cofactor Trrap is essential for maintaining the hematopoietic stem/progenitor cell pool. *Journal of Immunology*, **2009**, 183, 6422-31	5.3	24

49	Myc's other life: stem cells and beyond. *Current Opinion in Cell Biology*, **2009**, 21, 844-54	9	79
48	c-Myc affects mRNA translation, cell proliferation and progenitor cell function in the mammary gland. *BMC Biology*, **2009**, 7, 63	7.3	27
47	IFNalpha activates dormant haematopoietic stem cells in vivo. *Nature*, **2009**, 458, 904-8	50.4	932
46	Hematopoietic Stem Cells Reversibly Switch from Dormancy to Self-Renewal during Homeostasis and Repair. *Cell*, **2009**, 138, 209	56.2	2
45	Balancing dormant and self-renewing hematopoietic stem cells. *Current Opinion in Genetics and Development*, **2009**, 19, 461-8	4.9	150
44	In vivo fate mapping with SCL regulatory elements identifies progenitors for primitive and definitive hematopoiesis in mice. *Mechanisms of Development*, **2009**, 126, 863-72	1.7	3
43	Pancreatic inactivation of c-Myc decreases acinar mass and transdifferentiates acinar cells into adipocytes in mice. *Gastroenterology*, **2009**, 136, 309-319.e9	13.3	78
42	Malignant Myeloma Cells Impair Phenotype and Function of stem and Progenitor Cells.. *Blood*, **2009** , 114, 1799-1799	2.2	
41	Hematopoietic Stem Cell Niches **2009**, 47-71		2
40	Epithelial Pten is dispensable for intestinal homeostasis but suppresses adenoma development and progression after Apc mutation. *Nature Genetics*, **2008**, 40, 1436-44	36.3	89
39	Mechanisms of Disease: cancer stem cells--targeting the evil twin. *Nature Clinical Practice Oncology*, **2008**, 5, 337-47		160
38	Hematopoietic stem cell function and survival depend on c-Myc and N-Myc activity. *Cell Stem Cell*, **2008**, 3, 611-24	18	207
37	Hematopoietic stem cells reversibly switch from dormancy to self-renewal during homeostasis and repair. *Cell*, **2008**, 135, 1118-29	56.2	1335
36	c-myc in the hematopoietic lineage is crucial for its angiogenic function in the mouse embryo. *Development (Cambridge)*, **2008**, 135, 2467-77	6.6	56
35	Coordinated control of self-renewal and differentiation of neural stem cells by Myc and the p19ARF-p53 pathway. *Journal of Cell Biology*, **2008**, 183, 1243-57	7.3	54
34	Placental rescue reveals a sole requirement for c-Myc in embryonic erythroblast survival and hematopoietic stem cell function. *Development (Cambridge)*, **2008**, 135, 2455-65	6.6	62
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3	Combined single-cell and spatial transcriptomics reveals the molecular, cellular and spatial bone marrow niche organization		3
2	Single-cell proteo-genomic reference maps of the hematopoietic system enable the purification and massive profiling of precisely defined cell states		2
1	Comparison of extraction methods for intracellular metabolomics		1