Catherine M Verfaillie

List of Publications by Year
in descending order

356	28,099	9756	6282
papers	citations	73 h-index	158 g-index

407	407	407	26982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human iPSC model reveals a central role for NOX4 and oxidative stress in Duchenne cardiomyopathy. Stem Cell Reports, 2022, 17, 352-368.	2.3	15
2	A Novel UPLC-MS Metabolomic Analysis-Based Strategy to Monitor the Course and Extent of iPSC Differentiation to Hepatocytes. Journal of Proteome Research, 2022, , .	1.8	3
3	Current Status and Challenges of Human Induced Pluripotent Stem Cell-Derived Liver Models in Drug Discovery. Cells, 2022, 11, 442.	1.8	14
4	Metabolically Improved Stem Cell Derived Hepatocyte-Like Cells Support HBV Life Cycle and Are a Promising Tool for HBV Studies and Antiviral Drug Screenings. Biomedicines, 2022, 10, 268.	1.4	2
5	HiPSC-Derived Hepatocyte-like Cells Can Be Used as a Model for Transcriptomics-Based Study of Chemical Toxicity. Toxics, 2022, 10, 1.	1.6	7
6	Engineering neurovascular organoids with 3D printed microfluidic chips. Lab on A Chip, 2022, 22, 1615-1629.	3.1	73
7	Organoid and microfluidics-based platforms for drug screening in COVID-19. Drug Discovery Today, 2022, 27, 1062-1076.	3.2	17
8	An in vitro strategy using multiple human induced pluripotent stem cell-derived models to assess the toxicity of chemicals: A case study on paraquat. Toxicology in Vitro, 2022, 81, 105333.	1.1	11
9	Transcriptomics analysis of human iPSC-derived dopaminergic neurons reveals a novel model for sporadic Parkinsonâ€™s disease. Molecular Psychiatry, 2022, 27, 4355-4367.	4.1	3
10	Microbiota, not host origin drives ex vivo intestinal epithelial responses. Gut Microbes, 2022, 14, .	4.3	8
11	Gene editing technology for improving life quality: A dream coming true?. Clinical Genetics, 2021, 99, 67-83.	1.0	1
12	Correction of CFTR function in intestinal organoids to guide treatment of cystic fibrosis. European Respiratory Journal, 2021, 57, 1902426.	3.1	71
13	PU.1 drives specification of pluripotent stem cell-derived endothelial cells to LSEC-like cells. Cell Death and Disease, 2021, 12, 84.	2.7	25
14	Niche-Mediated Integrin Signaling Supports Steady-State Hematopoiesis in the Spleen. Journal of Immunology, 2021, 206, 1549-1560.	0.4	5
15	HDAC6 inhibition restores TDPâ€43 pathology and axonal transport defects in human motor neurons with TARDBP mutations. EMBO Journal, 2021, 40, e106177.	3.5	51
16	C9orf72 -derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility. Science Advances, 2021, 7, .	4.7	57
17	Directed differentiation of human induced pluripotent stem cells to hepatic stellate cells. Nature Protocols, 2021, 16, 2542-2563.	5.5	26
18	Actuation enhances patterning in human neural tube organoids. Nature Communications, 2021, 12, 3192.	5.8	43

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19	SOX9-induced Generation of Functional Astrocytes Supporting Neuronal Maturation in an All-human System. Stem Cell Reviews and Reports, 2021, 17, 1855-1873.	1.7	19
20	Systematic transcriptome-based comparison of cellular adaptive stress response activation networks in hepatic stem cell-derived progeny and primary human hepatocytes. Toxicology in Vitro, 2021, 73, 105107.	1.1	9
21	Patient-Specific Induced Pluripotent Stem Cell-Derived Hepatocyte-Like Cells as a Model to Study Autosomal Recessive Hypercholesterolemia. Stem Cells and Development, 2021, 30, 714-724.	1.1	7
22	Fetal hematopoietic stem cell homing is controlled by VEGF regulating the integrity and oxidative status of the stromal-vascular bone marrow niches. Cell Reports, 2021, 36, 109618.	2.9	6
23	Fast and Efficient Generation of Isogenic Induced Pluripotent Stem Cell Lines Using Adenine Base Editing. CRISPR Journal, 2021, 4, 502-518.	1.4	6
24	Fluorescent tagging of endogenous Heme oxygenase-1 in human induced pluripotent stem cells for high content imaging of oxidative stress in various differentiated lineages. Archives of Toxicology, 2021, 95, 3285-3302.	1.9	13
25	A fully defined matrix to support a pluripotent stem cell derived multi-cell-liver steatohepatitis and fibrosis model. Biomaterials, 2021, 276, 121006.	5.7	19
26	Carfilzomib-induced reticulocytosis in patients with multiple myeloma is caused by impaired terminal erythroid maturation. Leukemia, 2020, 34, 651-655.	3.3	0
27	Nâ€acetylcysteine prevents oxidized lowâ€density lipoproteinâ€induced reduction of MG53 and enhances MG53 protective effect on bone marrow stem cells. Journal of Cellular and Molecular Medicine, 2020, 24, 886-898.	1.6	10
28	The Periostin/Integrin-Î±v Axis Regulates the Size of Hematopoietic Stem Cell Pool in the Fetal Liver. Stem Cell Reports, 2020, 15, 340-357.	2.3	17
29	Generation of oligodendrocytes and establishment of an all-human myelinating platform from human pluripotent stem cells. Nature Protocols, 2020, 15, 3716-3744.	5.5	27
30	Therapeutic modalities and novel approaches in regenerative medicine for COVID-19. International Journal of Antimicrobial Agents, 2020, 56, 106208.	1.1	22
31	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. Nature Communications, 2020, 11, 1393.	5.8	79
32	Unraveling the transcriptional determinants of liver sinusoidal endothelial cell specialization. American Journal of Physiology - Renal Physiology, 2020, 318, G803-G815.	1.6	36
33	Alternative Cell Sources for Liver Parenchyma Repopulation: Where Do We Stand?. Cells, 2020, 9, 566.	1.8	14
34	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. Archives of Toxicology, 2020, 94, 2435-2461.	1.9	30
35	Functional expression and pharmacological modulation of TRPM3 in human sensory neurons. British Journal of Pharmacology, 2020, 177, 2683-2695.	2.7	32
36	Multipotent Adult Progenitor Cells. , 2019, , 181-190.		0

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37	Dystrophin deficiency leads to dysfunctional glutamate clearance in iPSC derived astrocytes. Translational Psychiatry, 2019, 9, 200.	2.4	18
38	Integrative and perturbation based analysis of the transcriptional dynamics of TGFÎ²/BMP system components in transition from embryonic stem cells to neural progenitors. Stem Cells, 2019, 38, 202-217.	1.4	6
39	Stem-cell-derived human microglia transplanted in mouse brain to study human disease. Nature Neuroscience, 2019, 22, 2111-2116.	7.1	176
40	Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. Nature Communications, 2019, 10, 4147.	5.8	41
41	Prdm12 Directs Nociceptive Sensory Neuron Development by Regulating the Expression of the NGF Receptor TrkA. Cell Reports, 2019, 26, 3522-3536.e5.	2.9	50
42	Evidence for an alternative fatty acid desaturation pathway increasing cancer plasticity. Nature, 2019, 566, 403-406.	13.7	326
43	Breast cancer cells rely on environmental pyruvate to shape the metastatic niche. Nature, 2019, 568, 117-121.	13.7	213
44	The Impact of Integrin Î²2 on Granulocyte/Macrophage Progenitor Proliferation. Stem Cells, 2019, 37, 430-440.	1.4	5
45	Human stem cellâ€“derived monocytes and microgliaâ€like cells reveal impaired amyloid plaque clearance upon heterozygous or homozygous loss of TREM2. Alzheimer's and Dementia, 2019, 15, 453-464.	0.4	55
46	Multipotent Adult Progenitor Cells Support Lymphatic Regeneration at Multiple Anatomical Levels during Wound Healing and Lymphedema. Scientific Reports, 2018, 8, 3852.	1.6	25
47	Strategies for In Vivo Genome Editing in Nondividing Cells. Trends in Biotechnology, 2018, 36, 770-786.	4.9	58
48	Generating tissue-resident macrophages from pluripotent stem cells: Lessons learned from microglia. Cellular Immunology, 2018, 330, 60-67.	1.4	12
49	Folic Acid Exposure Rescues Spina Bifida Aperta Phenotypes in Human Induced Pluripotent Stem Cell Model. Scientific Reports, 2018, 8, 2942.	1.6	18
50	PFN2 and GAMT as common molecular determinants of axonal Charcot-Marie-Tooth disease. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 870-878.	0.9	16
51	SOX10 Single Transcription Factor-Based Fast and Efficient Generation ofÂOligodendrocytes from Human Pluripotent Stem Cells. Stem Cell Reports, 2018, 10, 655-672.	2.3	81
52	Human stem cell-derived hepatocyte-like cells support Zika virus replication and provide a relevant model to assess the efficacy of potential antivirals. PLoS ONE, 2018, 13, e0209097.	1.1	15
53	Generation of hepatocyte- and endocrine pancreatic-like cells from human induced endodermal progenitor cells. PLoS ONE, 2018, 13, e0197046.	1.1	2
54	Topographical Guidance of PSC-Derived Cortical Neurons. Journal of Nanomaterials, 2018, 2018, 1-10.	1.5	3

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55	Generation of Hepatic Stellate Cells from Human Pluripotent Stem Cells Enables InÂVitro Modeling of Liver Fibrosis. Cell Stem Cell, 2018, 23, 101-113.e7.	5.2	170
56	Generation of a human induced pluripotent stem cellâ€“based model for tauopathies combining three microtubuleâ€associated protein TAU mutations which displays several phenotypes linked to neurodegeneration. Alzheimer's and Dementia, 2018, 14, 1261-1280.	0.4	41
57	The human somatostatin receptor type 2 as an imaging and suicide reporter gene for pluripotent stem cell-derived therapy of myocardial infarction. Theranostics, 2018, 8, 2799-2813.	4.6	12
58	Energy Producing Metabolic Pathways in Functional Regulation of the Hematopoietic Stem Cells. IUBMB Life, 2018, 70, 612-624.	1.5	16
59	In Vitro Pluripotent Stem Cell Differentiation to Hepatocyte Ceases Further Maturation at an Equivalent Stage of E15 in Mouse Embryonic Liver Development. Stem Cells and Development, 2018, 27, 910-921.	1.1	13
60	Recent advances in lineage differentiation from stem cells: hurdles and opportunities?. F1000Research, 2018, 7, 220.	0.8	16
61	PDGFRÎ±+ Cells in Embryonic Stem Cell Cultures Represent the InÂVitro Equivalent of the Pre-implantation Primitive Endoderm Precursors. Stem Cell Reports, 2017, 8, 318-333.	2.3	26
62	Epithelial organoid cultures from patients with ulcerative colitis and Crohn's disease: a truly long-term model to study the molecular basis for inflammatory bowel disease?. Gut, 2017, 66, 2193-2195.	6.1	43
63	Multipotent adult progenitor cells improve the hematopoietic function in myelodysplasia. Cytotherapy, 2017, 19, 744-755.	0.3	3
64	Proline metabolism supports metastasis formation and could be inhibited to selectively target metastasizing cancer cells. Nature Communications, 2017, 8, 15267.	5.8	297
65	Molecular Imaging of Human Embryonic Stem Cells Stably Expressing Human PET Reporter Genes After Zinc Finger Nucleaseâ€“Mediated Genome Editing. Journal of Nuclear Medicine, 2017, 58, 1659-1665.	2.8	12
66	Distinct Molecular Signature of Murine Fetal Liver and Adult Hematopoietic Stem Cells Identify Novel Regulators of Hematopoietic Stem Cell Function. Stem Cells and Development, 2017, 26, 573-584.	1.1	15
67	Human intestinal epithelium in a dish: Current models for research into gastrointestinal pathophysiology. United European Gastroenterology Journal, 2017, 5, 1073-1081.	1.6	35
68	HDAC6 inhibition reverses axonal transport defects in motor neurons derived from FUS-ALS patients. Nature Communications, 2017, 8, 861.	5.8	275
69	Replication of the Zika virus in different iPSC-derived neuronal cells and implications to assess efficacy of antivirals. Antiviral Research, 2017, 145, 82-86.	1.9	41
70	Generation of induced pluripotent stem cells from Chinese hamster embryonic fibroblasts. Stem Cell Research, 2017, 21, 132-136.	0.3	3
71	Dual loss of succinate dehydrogenase (SDH) and complex I activity is necessary to recapitulate the metabolic phenotype of SDH mutant tumors. Metabolic Engineering, 2017, 43, 187-197.	3.6	64
72	Cell Expansion During Directed Differentiation of Stem Cells Toward the Hepatic Lineage. Stem Cells and Development, 2017, 26, 274-284.	1.1	12

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73	Stem cells in neurodegeneration: mind the gap. , 2017, , 81-100.		0
74	Activin A Modulates CRIPTO-1/HNF4Î±⁺Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. Stem Cells International, 2017, 2017, 1-17.	1.2	11
75	Immunoregulatory effects of multipotent adult progenitor cells in a porcine ex vivo lung perfusion model. Stem Cell Research and Therapy, 2017, 8, 159.	2.4	51
76	Hmga2 translocation induced in skin tumorigenesis. Oncotarget, 2017, 8, 30019-30029.	0.8	7
77	Physico-Chemical Properties of the Stem Cell Niche. , 2017, , 61-80.		0
78	Dynamic regulation of EZH2 from HPSc to hepatocyte-like cell fate. PLoS ONE, 2017, 12, e0186884.	1.1	2
79	Increased Understanding of Stem Cell Behavior in Neurodegenerative and Neuromuscular Disorders by Use of Noninvasive Cell Imaging. Stem Cells International, 2016, 2016, 1-20.	1.2	13
80	Monitoring the Bystander Killing Effect of Human Multipotent Stem Cells for Treatment of Malignant Brain Tumors. Stem Cells International, 2016, 2016, 1-14.	1.2	10
81	Epigenetic Induction of Definitive and Pancreatic Endoderm Cell Fate in Human Fibroblasts. Stem Cells International, 2016, 2016, 1-8.	1.2	3
82	Vascular Diseases and Metabolic Disorders. Stem Cells International, 2016, 2016, 1-2.	1.2	6
83	Outside-in integrin signalling regulates haematopoietic stem cell function via Periostin-Itgav axis. Nature Communications, 2016, 7, 13500.	5.8	56
84	Pancreatic differentiation of Pdx1-GFP reporter mouse induced pluripotent stem cells. Differentiation, 2016, 92, 249-256.	1.0	7
85	Neovascularization Potential of Blood Outgrowth Endothelial Cells From Patients With Stable Ischemic Heart Failure Is Preserved. Journal of the American Heart Association, 2016, 5, e002288.	1.6	19
86	Endothelial Barrier and Metabolism: New Kids on the Block Regulating Bone Marrow Vascular Niches. Developmental Cell, 2016, 37, 210-212.	3.1	5
87	Clinical-Grade Human Multipotent Adult Progenitor Cells Block CD8+ Cytotoxic T Lymphocytes. Stem Cells Translational Medicine, 2016, 5, 1607-1619.	1.6	19
88	H3K27me3 Does Not Orchestrate the Expression of Lineage-Specific Markers in hESC-Derived Hepatocytes InÂVitro. Stem Cell Reports, 2016, 7, 192-206.	2.3	18
89	Allele-specific DNA methylation reinforces PEAR1 enhancer activity. Blood, 2016, 128, 1003-1012.	0.6	48
90	In Vivo Interleukin-13-Primed Macrophages Contribute to Reduced Alloantigen-Specific T Cell Activation and Prolong Immunological Survival of Allogeneic Mesenchymal Stem Cell Implants. Stem Cells, 2016, 34, 1971-1984.	1.4	17

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91	De novo design of a biologically active amyloid. Science, 2016, 354, .	6.0	63
92	Rapid and Efficient Generation of Recombinant Human Pluripotent Stem Cells by Recombinase-mediated Cassette Exchange in the AAVS1 Locus. Journal of Visualized Experiments, 2016, , .	0.2	1
93	Stem cell-derived hepatocytes: A novel model for hepatitis E virus replication. Journal of Hepatology, 2016, 64, 565-573.	1.8	51
94	Altered neuronal network and rescue in a human MECP2 duplication model. Molecular Psychiatry, 2016, 21, 178-188.	4.1	95
95	Stem Cell-Derived Oligodendroglial Cells for Therapy in Neurological Diseases. Current Stem Cell Research and Therapy, 2016, 11, 569-577.	0.6	5
96	Multipotent Adult Progenitor Cells (MAPCs) for Cardiovascular and Neurologic Diseases. , 2016, , 267-275.		0
97	Efficient Recombinase-Mediated Cassette Exchange in hPSCs to Study the Hepatocyte Lineage Reveals AAVS1 Locus-Mediated Transgene Inhibition. Stem Cell Reports, 2015, 5, 918-931.	2.3	115
98	Sodium Iodide Symporter PET and BLI Noninvasively Reveal Mesoangioblast Survival in Dystrophic Mice. Stem Cell Reports, 2015, 5, 1183-1195.	2.3	17
99	Highly proliferative primitive fetal liver hematopoietic stem cells are fueled by oxidative metabolic pathways. Stem Cell Research, 2015, 15, 715-721.	0.3	59
100	Understanding the molecular mechanism of host-based statin resistance in hepatitis C virus replicon containing cells. Biochemical Pharmacology, 2015, 96, 190-201.	2.0	2
101	Hematopoietic Stem/Progenitor Cells Directly Contribute to Arteriosclerotic Progression via Integrin Î²2. Stem Cells, 2015, 33, 1230-1240.	1.4	12
102	Restoration of Progranulin Expression Rescues Cortical Neuron Generation in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia. Stem Cell Reports, 2015, 4, 16-24.	2.3	62
103	From mice to mind: Strategies and progress in translating neuroregeneration. European Journal of Pharmacology, 2015, 759, 90-100.	1.7	16
104	Contribution of different bone marrow-derived cell types in endometrial regeneration using an irradiated murine model. Fertility and Sterility, 2015, 103, 1596-1605.e1.	0.5	40
105	Radiolabeling Strategies for Radionuclide Imaging of Stem Cells. Stem Cell Reviews and Reports, 2015, 11, 254-274.	5.6	26
106	Assessment of bystander killing-mediated therapy of malignant brain tumors using a multimodal imaging approach. Stem Cell Research and Therapy, 2015, 6, 163.	2.4	14
107	Mesodermal iPSCâ€“derived progenitor cells functionally regenerate cardiac and skeletal muscle. Journal of Clinical Investigation, 2015, 125, 4463-4482.	3.9	56
108	The SEURAT-1 approach towards animal free human safety assessment. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 9-24.	0.9	40

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109	Optimization of Multimodal Imaging of Mesenchymal Stem Cells Using the Human Sodium Iodide Symporter for PET and Cerenkov Luminescence Imaging. PLoS ONE, 2014, 9, e94833.	1.1	32
110	Multipotent Adult Progenitor Cells. , 2014, , 245-253.		0
111	Cell membrane damage is involved in the impaired survival of bone marrow stem cells by oxidized lowâ€density lipoprotein. Journal of Cellular and Molecular Medicine, 2014, 18, 2445-2453.	1.6	34
112	Prospectively Isolated NGN3-Expressing Progenitors From Human Embryonic Stem Cells Give Rise to Pancreatic Endocrine Cells. Stem Cells Translational Medicine, 2014, 3, 489-499.	1.6	20
113	SMAD Signaling Regulates CXCL12 Expression in the Bone Marrow Niche, Affecting Homing and Mobilization of Hematopoietic Progenitors. Stem Cells, 2014, 32, 3012-3022.	1.4	36
114	Comparisons of phenotype and immunomodulatory capacity among rhesus boneâ€marrowâ€derived mesenchymal stem/stromal cells, multipotent adult progenitor cells, and dermal fibroblasts. Journal of Medical Primatology, 2014, 43, 231-241.	0.3	13
115	Spheroid Culture for Enhanced Differentiation of Human Embryonic Stem Cells to Hepatocyte-Like Cells. Stem Cells and Development, 2014, 23, 124-131.	1.1	69
116	Hydrogen peroxide inhibits proliferation and endothelial differentiation of bone marrow stem cells partially via reactive oxygen species generation. Life Sciences, 2014, 112, 33-40.	2.0	29
117	Controlling and Monitoring Stem Cell Safety In Vivo in an Experimental Rodent Model. Stem Cells, 2014, 32, 2833-2844.	1.4	14
118	Regulation of High-Density Lipoprotein on Hematopoietic Stem/Progenitor Cells in Atherosclerosis Requires Scavenger Receptor Type BI Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1900-1909.	1.1	55
119	Micro<scp>RNA</scp>s: the fine modulators of liver development and function. Liver International, 2014, 34, 976-990.	1.9	87
120	FANCA knockout in human embryonic stem cells causes a severe growth disadvantage. Stem Cell Research, 2014, 13, 240-250.	0.3	10
121	Perception and Knowledge About Stem Cell and Tissue Engineering Research: A Survey Amongst Researchers and Medical Practitioners in Perinatology. Stem Cell Reviews and Reports, 2014, 10, 447-54.	5.6	2
122	Hepatic differentiation of human embryonic stem cells on microcarriers. Journal of Biotechnology, 2014, 174, 39-48.	1.9	49
123	Biliary Cells to the Rescue of Prometheus. Gastroenterology, 2014, 146, 611-614.	0.6	4
124	Mutual Interaction between Human Multipotent Adult Progenitor Cells and NK Cells. Cell Transplantation, 2014, 23, 1099-1110.	1.2	10
125	Hematopoietic Stem/Progenitor Cell Sources to Generate Reticulocytes for Plasmodium vivax Culture. PLoS ONE, 2014, 9, e112496.	1.1	18
126	Stem cells and liver engineering. Biotechnology Advances, 2013, 31, 1094-1107.	6.0	25

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127	Erratum to â€œHuman pluripotent stem cell-derived hepatocytes support complete replication of hepatitis C virusâ€•[J Hepatol 2012;57:246â€“251]. Journal of Hepatology, 2013, 58, 199-200.	1.8	0
128	NKX2-1 Activation by SMAD2 Signaling After Definitive Endoderm Differentiation in Human Embryonic Stem Cell. Stem Cells and Development, 2013, 22, 1433-1442.	1.1	10
129	The road to regenerative liver therapies: The triumphs, trials and tribulations. Biotechnology Advances, 2013, 31, 1085-1093.	6.0	12
130	A novel role of BMP4 in adult hematopoietic stem and progenitor cell homing via Smad independent regulation of integrin-Î±4 expression. Blood, 2013, 121, 781-790.	0.6	37
131	Zic3 Enhances the Generation of Mouse Induced Pluripotent Stem Cells. Stem Cells and Development, 2013, 22, 2017-2025.	1.1	42
132	Immunological characteristics of human mesenchymal stem cells and multipotent adult progenitor cells. Immunology and Cell Biology, 2013, 91, 32-39.	1.0	190
133	Multipotent Adult Progenitor Cells. , 2013, , 503-511.		1
134	COUP-TFII orchestrates venous and lymphatic endothelial identity by homo- or hetero-dimerisation with PROX1. Journal of Cell Science, 2013, 126, 1164-1175.	1.2	65
135	Directed Differentiation of Pluripotent Stem Cells to Functional Hepatocytes. Methods in Molecular Biology, 2013, 997, 141-147.	0.4	22
136	Cell-based liver support systems: status and prospect. Current Opinion in Chemical Engineering, 2013, 2, 26-31.	3.8	1
137	Concise Review: Bone Marrow Meets Blastocyst: Lessons from an Unlikely Encounter. Stem Cells, 2013, 31, 620-626.	1.4	9
138	Self-renewal of neural stem cells: implications for future therapies. Frontiers in Physiology, 2013, 4, 49.	1.3	3
139	¹⁸F-FDG Labeling of Mesenchymal Stem Cells and Multipotent Adult Progenitor Cells for PET Imaging: Effects on Ultrastructure and Differentiation Capacity. Journal of Nuclear Medicine, 2013, 54, 447-454.	2.8	60
140	Mesenchymal Stem Cells Migration Homing and Tracking. Stem Cells International, 2013, 2013, 1-8.	1.2	328
141	Glypican-3â€“mediated inhibition of CD26 by TFPI: a novel mechanism in hematopoietic stem cell homing and maintenance. Blood, 2013, 121, 2587-2595.	0.6	38
142	Human Multipotent Adult Progenitor Cells Are Nonimmunogenic and Exert Potent Immunomodulatory Effects on Alloreactive T-Cell Responses. Cell Transplantation, 2013, 22, 1915-1928.	1.2	83
143	Variability in contrast agent uptake by different but similar stem cell types. International Journal of Nanomedicine, 2013, 8, 4577.	3.3	16
144	Reversal of Hyperglycemia by Insulin-Secreting Rat Bone Marrow- and Blastocyst-Derived Hypoblast Stem Cell-Like Cells. PLoS ONE, 2013, 8, e63491.	1.1	9

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145	Wnt5a Does Not Support Hematopoiesis in Stroma-Free, Serum-Free Cultures. PLoS ONE, 2013, 8, e53669.	1.1	2
146	Zic3 induces conversion of human fibroblasts to stable neural progenitor-like cells. Journal of Molecular Cell Biology, 2012, 4, 252-255.	1.5	34
147	MAPC culture conditions support the derivation of cells with nascent hypoblast features from bone marrow and blastocysts. Journal of Molecular Cell Biology, 2012, 4, 423-426.	1.5	20
148	High glucose facilitates cell cycle arrest of rat bone marrow multipotent adult progenitor cells through transforming growth factorâ€Î²1 and extracellular signalâ€regulated kinase 1/2 signalling without changing <scp>O</scp>ct4 expression. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 843-851.	0.9	6
149	Hurler Disease Bone Marrow Stromal Cells Exhibit Altered Ability to Support Osteoclast Formation. Stem Cells and Development, 2012, 21, 1466-1477.	1.1	24
150	Antagonism of Nodal signaling by BMP/Smad5 prevents ectopic primitive streak formation in the mouse amnion. Development (Cambridge), 2012, 139, 3343-3354.	1.2	29
151	Human pluripotent stem cell-derived hepatocytes support complete replication of hepatitis C virus. Journal of Hepatology, 2012, 57, 246-251.	1.8	90
152	High glucose enhances TGF-Î²1 expression in rat bone marrow stem cells via ERK1/2-mediated inhibition of STAT3 signaling. Life Sciences, 2012, 90, 509-518.	2.0	6
153	Neural differentiation and support of neuroregeneration of non-neural adult stem cells. Progress in Brain Research, 2012, 201, 17-34.	0.9	9
154	Cryopreserved Reticulocytes Derived from Hematopoietic Stem Cells Can Be Invaded by Cryopreserved Plasmodium vivax Isolates. PLoS ONE, 2012, 7, e40798.	1.1	29
155	Enhanced Antitumor Efficacy of a Vascular Disrupting Agent Combined with an Antiangiogenic in a Rat Liver Tumor Model Evaluated by Multiparametric MRI. PLoS ONE, 2012, 7, e41140.	1.1	15
156	Successful isolation of liver progenitor cells by aldehyde dehydrogenase activity in naÃ¯ve mice. Hepatology, 2012, 55, 540-552.	3.6	53
157	Hematopoietic Stem/Progenitor Cell Proliferation and Differentiation Is Differentially Regulated by High-Density and Low-Density Lipoproteins in Mice. PLoS ONE, 2012, 7, e47286.	1.1	74
158	TGFÎ²1-Induced Baf60c Regulates both Smooth Muscle Cell Commitment and Quiescence. PLoS ONE, 2012, 7, e47629.	1.1	12
159	Multipotent adult progenitor cells. Best Practice and Research in Clinical Haematology, 2011, 24, 3-11.	0.7	43
160	Directed differentiation of murine-induced pluripotent stem cells to functional hepatocyte-like cells. Journal of Hepatology, 2011, 54, 98-107.	1.8	84
161	Multipotent Adult Progenitor Cells. , 2011, , 263-272.		0
162	Efficient Non-Viral Integration and Stable Gene Expression in Multipotent Adult Progenitor Cells. Stem Cells International, 2011, 2011, 1-14.	1.2	6

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163	Culture of Mouse Embryonic Stem Cells with Serum but without Exogenous Growth Factors Is Sufficient to Generate Functional Hepatocyte-Like Cells. PLoS ONE, 2011, 6, e23096.	1.1	7
164	Pdx1- and Ngn3-Cre-Mediated PLAG1 Expression in the Pancreas Leads to Endocrine Hormone Imbalances That Affect Glucose Metabolism. Cell Transplantation, 2011, 20, 1285-1297.	1.2	5
165	Ox-LDL modifies the behaviour of bone marrow stem cells and impairs their endothelial differentiation via inhibition of Akt phosphorylation. Journal of Cellular and Molecular Medicine, 2011, 15, 423-432.	1.6	24
166	Induction of a mature hepatocyte phenotype in adult liver derived progenitor cells by ectopic expression of transcription factors. Stem Cell Research, 2011, 6, 251-261.	0.3	26
167	Maintenance of HSC by Wnt5a secreting AGM-derived stromal cell line. Experimental Hematology, 2011, 39, 114-123.e5.	0.2	34
168	Loss or Inhibition of Stromal-Derived PlGF Prolongs Survival of Mice with Imatinib-Resistant Bcr-Abl1+ Leukemia. Cancer Cell, 2011, 19, 740-753.	7.7	124
169	Characterization of the Inflammatory Response in a Photothrombotic Stroke Model by MRI: Implications for Stem Cell Transplantation. Molecular Imaging and Biology, 2011, 13, 663-671.	1.3	27
170	Intrinsic cell memory reinforces myogenic commitment of pericyteâ€derived iPSCs. Journal of Pathology, 2011, 223, 593-603.	2.1	71
171	Concise Review: Culture Mediated Changes in Fate and/or Potency of Stem Cells. Stem Cells, 2011, 29, 583-589.	1.4	52
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