# Catherine M Verfaillie

List of Publications by Year
in descending order



| 356 | 28,099 | 9784 73 | 6299 158 |
|---|---|---|---|
| papers | citations | h-index | 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. | 4.8 | 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, , . | 3.7 | 3 |
| 3 | Current Status and Challenges of Human Induced Pluripotent Stem Cell-Derived Liver Models in Drug Discovery. Cells, 2022, 11, 442. | 4.1 | 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. | 3.2 | 2 |
| 5 | HiPSC-Derived Hepatocyte-like Cells Can Be Used as a Model for Transcriptomics-Based Study of Chemical Toxicity. Toxics, 2022, 10, 1. | 3.7 | 7 |
| 6 | Engineering neurovascular organoids with 3D printed microfluidic chips. Lab on A Chip, 2022, 22, 1615-1629. | 6.0 | 73 |
| 7 | Organoid and microfluidics-based platforms for drug screening in COVID-19. Drug Discovery Today, 2022, 27, 1062-1076. | 6.4 | 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. | 2.4 | 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. | 7.9 | 3 |
| 10 | Microbiota, not host origin drives ex vivo intestinal epithelial responses. Gut Microbes, 2022, 14, . | 9.8 | 8 |
| 11 | Gene editing technology for improving life quality: A dream coming true?. Clinical Genetics, 2021, 99, 67-83. | 2.0 | 1 |
| 12 | Correction of CFTR function in intestinal organoids to guide treatment of cystic fibrosis. European Respiratory Journal, 2021, 57, 1902426. | 6.7 | 71 |
| 13 | PU.1 drives specification of pluripotent stem cell-derived endothelial cells to LSEC-like cells. Cell Death and Disease, 2021, 12, 84. | 6.3 | 25 |
| 14 | Niche-Mediated Integrin Signaling Supports Steady-State Hematopoiesis in the Spleen. Journal of Immunology, 2021, 206, 1549-1560. | 0.8 | 5 |
| 15 | HDAC6 inhibition restores TDPâ€43 pathology and axonal transport defects in human motor neurons with TARDBP mutations. EMBO Journal, 2021, 40, e106177. | 7.8 | 51 |
| 16 | C9orf72 -derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility. Science Advances, 2021, 7, . | 10.3 | 57 |
| 17 | Directed differentiation of human induced pluripotent stem cells to hepatic stellate cells. Nature Protocols, 2021, 16, 2542-2563. | 12.0 | 26 |
| 18 | Actuation enhances patterning in human neural tube organoids. Nature Communications, 2021, 12, 3192. | 12.8 | 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. | 3.8 | 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. | 2.4 | 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. | 2.1 | 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. | 6.4 | 6 |
| 23 | Fast and Efficient Generation of Isogenic Induced Pluripotent Stem Cell Lines Using Adenine Base Editing. CRISPR Journal, 2021, 4, 502-518. | 2.9 | 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. | 4.2 | 13 |
| 25 | A fully defined matrix to support a pluripotent stem cell derived multi-cell-liver steatohepatitis and fibrosis model. Biomaterials, 2021, 276, 121006. | 11.4 | 19 |
| 26 | Carfilzomib-induced reticulocytosis in patients with multiple myeloma is caused by impaired terminal erythroid maturation. Leukemia, 2020, 34, 651-655. | 7.2 | 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. | 3.6 | 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. | 4.8 | 17 |
| 29 | Generation of oligodendrocytes and establishment of an all-human myelinating platform from human pluripotent stem cells. Nature Protocols, 2020, 15, 3716-3744. | 12.0 | 27 |
| 30 | Therapeutic modalities and novel approaches in regenerative medicine for COVID-19. International Journal of Antimicrobial Agents, 2020, 56, 106208. | 2.5 | 22 |
| 31 | Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. Nature Communications, 2020, 11, 1393. | 12.8 | 79 |
| 32 | Unraveling the transcriptional determinants of liver sinusoidal endothelial cell specialization. American Journal of Physiology - Renal Physiology, 2020, 318, G803-G815. | 3.4 | 36 |
| 33 | Alternative Cell Sources for Liver Parenchyma Repopulation: Where Do We Stand?. Cells, 2020, 9, 566. | 4.1 | 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. | 4.2 | 30 |
| 35 | Functional expression and pharmacological modulation of TRPM3 in human sensory neurons. British Journal of Pharmacology, 2020, 177, 2683-2695. | 5.4 | 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. | 4.8 | 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. | 3.2 | 6 |
| 39 | Stem-cell-derived human microglia transplanted in mouse brain to study human disease. Nature Neuroscience, 2019, 22, 2111-2116. | 14.8 | 176 |
| 40 | Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. Nature Communications, 2019, 10, 4147. | 12.8 | 41 |
| 41 | Prdm12 Directs Nociceptive Sensory Neuron Development by Regulating the Expression of the NGF Receptor TrkA. Cell Reports, 2019, 26, 3522-3536.e5. | 6.4 | 50 |
| 42 | Evidence for an alternative fatty acid desaturation pathway increasing cancer plasticity. Nature, 2019, 566, 403-406. | 27.8 | 326 |
| 43 | Breast cancer cells rely on environmental pyruvate to shape the metastatic niche. Nature, 2019, 568, 117-121. | 27.8 | 213 |
| 44 | The Impact of Integrin Î²2 on Granulocyte/Macrophage Progenitor Proliferation. Stem Cells, 2019, 37, 430-440. | 3.2 | 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. | 0.8 | 55 |
| 46 | Multipotent Adult Progenitor Cells Support Lymphatic Regeneration at Multiple Anatomical Levels during Wound Healing and Lymphedema. Scientific Reports, 2018, 8, 3852. | 3.3 | 25 |
| 47 | Strategies for In Vivo Genome Editing in Nondividing Cells. Trends in Biotechnology, 2018, 36, 770-786. | 9.3 | 58 |
| 48 | Generating tissue-resident macrophages from pluripotent stem cells: Lessons learned from microglia. Cellular Immunology, 2018, 330, 60-67. | 3.0 | 12 |
| 49 | Folic Acid Exposure Rescues Spina Bifida Aperta Phenotypes in Human Induced Pluripotent Stem Cell Model. Scientific Reports, 2018, 8, 2942. | 3.3 | 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. | 1.9 | 16 |
| 51 | SOX10 Single Transcription Factor-Based Fast and Efficient Generation ofÂOligodendrocytes from Human Pluripotent Stem Cells. Stem Cell Reports, 2018, 10, 655-672. | 4.8 | 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. | 2.5 | 15 |
| 53 | Generation of hepatocyte- and endocrine pancreatic-like cells from human induced endodermal progenitor cells. PLoS ONE, 2018, 13, e0197046. | 2.5 | 2 |
| 54 | Topographical Guidance of PSC-Derived Cortical Neurons. Journal of Nanomaterials, 2018, 2018, 1-10. | 2.7 | 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. | 11.1 | 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. | 0.8 | 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. | 10.0 | 12 |
| 58 | Energy Producing Metabolic Pathways in Functional Regulation of the Hematopoietic Stem Cells. IUBMB Life, 2018, 70, 612-624. | 3.4 | 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. | 2.1 | 13 |
| 60 | Recent advances in lineage differentiation from stem cells: hurdles and opportunities?. F1000Research, 2018, 7, 220. | 1.6 | 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. | 4.8 | 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. | 12.1 | 43 |
| 63 | Multipotent adult progenitor cells improve the hematopoietic function in myelodysplasia. Cytotherapy, 2017, 19, 744-755. | 0.7 | 3 |
| 64 | Proline metabolism supports metastasis formation and could be inhibited to selectively target metastasizing cancer cells. Nature Communications, 2017, 8, 15267. | 12.8 | 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. | 5.0 | 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. | 2.1 | 15 |
| 67 | Human intestinal epithelium in a dish: Current models for research into gastrointestinal pathophysiology. United European Gastroenterology Journal, 2017, 5, 1073-1081. | 3.8 | 35 |
| 68 | HDAC6 inhibition reverses axonal transport defects in motor neurons derived from FUS-ALS patients. Nature Communications, 2017, 8, 861. | 12.8 | 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. | 4.1 | 41 |
| 70 | Generation of induced pluripotent stem cells from Chinese hamster embryonic fibroblasts. Stem Cell Research, 2017, 21, 132-136. | 0.7 | 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. | 7.0 | 64 |
| 72 | Cell Expansion During Directed Differentiation of Stem Cells Toward the Hepatic Lineage. Stem Cells and Development, 2017, 26, 274-284. | 2.1 | 12 |

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| 73 | Stem cells in neurodegeneration: mind the gap. , 2017, , 81-100. | | 0 |
| 74 | Activin A Modulates CRIPTO-1/HNF4Î±<sup>+</sup>Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. Stem Cells International, 2017, 2017, 1-17. | 2.5 | 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. | 5.5 | 51 |
| 76 | Hmga2 translocation induced in skin tumorigenesis. Oncotarget, 2017, 8, 30019-30029. | 1.8 | 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. | 2.5 | 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. | 2.5 | 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. | 2.5 | 10 |
| 81 | Epigenetic Induction of Definitive and Pancreatic Endoderm Cell Fate in Human Fibroblasts. Stem Cells International, 2016, 2016, 1-8. | 2.5 | 3 |
| 82 | Vascular Diseases and Metabolic Disorders. Stem Cells International, 2016, 2016, 1-2. | 2.5 | 6 |
| 83 | Outside-in integrin signalling regulates haematopoietic stem cell function via Periostin-Itgav axis. Nature Communications, 2016, 7, 13500. | 12.8 | 56 |
| 84 | Pancreatic differentiation of Pdx1-GFP reporter mouse induced pluripotent stem cells. Differentiation, 2016, 92, 249-256. | 1.9 | 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. | 3.7 | 19 |
| 86 | Endothelial Barrier and Metabolism: New Kids on the Block Regulating Bone Marrow Vascular Niches. Developmental Cell, 2016, 37, 210-212. | 7.0 | 5 |
| 87 | Clinical-Grade Human Multipotent Adult Progenitor Cells Block CD8+ Cytotoxic T Lymphocytes. Stem Cells Translational Medicine, 2016, 5, 1607-1619. | 3.3 | 19 |
| 88 | H3K27me3 Does Not Orchestrate the Expression of Lineage-Specific Markers in hESC-Derived Hepatocytes InÂVitro. Stem Cell Reports, 2016, 7, 192-206. | 4.8 | 18 |
| 89 | Allele-specific DNA methylation reinforces PEAR1 enhancer activity. Blood, 2016, 128, 1003-1012. | 1.4 | 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. | 3.2 | 17 |

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|---|---|---|---|
| 91 | De novo design of a biologically active amyloid. Science, 2016, 354, . | 12.6 | 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, , . | 0.3 | 1 |
| 93 | Stem cell-derived hepatocytes: A novel model for hepatitis E virus replication. Journal of Hepatology, 2016, 64, 565-573. | 3.7 | 51 |
| 94 | Altered neuronal network and rescue in a human MECP2 duplication model. Molecular Psychiatry, 2016, 21, 178-188. | 7.9 | 95 |
| 95 | Stem Cell-Derived Oligodendroglial Cells for Therapy in Neurological Diseases. Current Stem Cell Research and Therapy, 2016, 11, 569-577. | 1.3 | 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. | 4.8 | 115 |
| 98 | Sodium Iodide Symporter PET and BLI Noninvasively Reveal Mesoangioblast Survival in Dystrophic Mice. Stem Cell Reports, 2015, 5, 1183-1195. | 4.8 | 17 |
| 99 | Highly proliferative primitive fetal liver hematopoietic stem cells are fueled by oxidative metabolic pathways. Stem Cell Research, 2015, 15, 715-721. | 0.7 | 59 |
| 100 | Understanding the molecular mechanism of host-based statin resistance in hepatitis C virus replicon containing cells. Biochemical Pharmacology, 2015, 96, 190-201. | 4.4 | 2 |
| 101 | Hematopoietic Stem/Progenitor Cells Directly Contribute to Arteriosclerotic Progression via Integrin Î²2. Stem Cells, 2015, 33, 1230-1240. | 3.2 | 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. | 4.8 | 62 |
| 103 | From mice to mind: Strategies and progress in translating neuroregeneration. European Journal of Pharmacology, 2015, 759, 90-100. | 3.5 | 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. | 1.0 | 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. | 5.5 | 14 |
| 107 | Mesodermal iPSCâ€“derived progenitor cells functionally regenerate cardiac and skeletal muscle. Journal of Clinical Investigation, 2015, 125, 4463-4482. | 8.2 | 56 |
| 108 | The SEURAT-1 approach towards animal free human safety assessment. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 9-24. | 1.5 | 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. | 2.5 | 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. | 3.6 | 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. | 3.3 | 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. | 3.2 | 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. | 0.6 | 13 |
| 115 | Spheroid Culture for Enhanced Differentiation of Human Embryonic Stem Cells to Hepatocyte-Like Cells. Stem Cells and Development, 2014, 23, 124-131. | 2.1 | 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. | 4.3 | 29 |
| 117 | Controlling and Monitoring Stem Cell Safety In Vivo in an Experimental Rodent Model. Stem Cells, 2014, 32, 2833-2844. | 3.2 | 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. | 2.4 | 55 |
| 119 | Micro<scp>RNA</scp>s: the fine modulators of liver development and function. Liver International, 2014, 34, 976-990. | 3.9 | 87 |
| 120 | FANCA knockout in human embryonic stem cells causes a severe growth disadvantage. Stem Cell Research, 2014, 13, 240-250. | 0.7 | 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. | 3.8 | 49 |
| 123 | Biliary Cells to the Rescue of Prometheus. Gastroenterology, 2014, 146, 611-614. | 1.3 | 4 |
| 124 | Mutual Interaction between Human Multipotent Adult Progenitor Cells and NK Cells. Cell Transplantation, 2014, 23, 1099-1110. | 2.5 | 10 |
| 125 | Hematopoietic Stem/Progenitor Cell Sources to Generate Reticulocytes for Plasmodium vivax Culture. PLoS ONE, 2014, 9, e112496. | 2.5 | 18 |
| 126 | Stem cells and liver engineering. Biotechnology Advances, 2013, 31, 1094-1107. | 11.7 | 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. | 3.7 | 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. | 2.1 | 10 |
| 129 | The road to regenerative liver therapies: The triumphs, trials and tribulations. Biotechnology Advances, 2013, 31, 1085-1093. | 11.7 | 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. | 1.4 | 37 |
| 131 | Zic3 Enhances the Generation of Mouse Induced Pluripotent Stem Cells. Stem Cells and Development, 2013, 22, 2017-2025. | 2.1 | 42 |
| 132 | Immunological characteristics of human mesenchymal stem cells and multipotent adult progenitor cells. Immunology and Cell Biology, 2013, 91, 32-39. | 2.3 | 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. | 2.0 | 65 |
| 135 | Directed Differentiation of Pluripotent Stem Cells to Functional Hepatocytes. Methods in Molecular Biology, 2013, 997, 141-147. | 0.9 | 22 |
| 136 | Cell-based liver support systems: status and prospect. Current Opinion in Chemical Engineering, 2013, 2, 26-31. | 7.8 | 1 |
| 137 | Concise Review: Bone Marrow Meets Blastocyst: Lessons from an Unlikely Encounter. Stem Cells, 2013, 31, 620-626. | 3.2 | 9 |
| 138 | Self-renewal of neural stem cells: implications for future therapies. Frontiers in Physiology, 2013, 4, 49. | 2.8 | 3 |
| 139 | <sup>18</sup>F-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. | 5.0 | 60 |
| 140 | Mesenchymal Stem Cells Migration Homing and Tracking. Stem Cells International, 2013, 2013, 1-8. | 2.5 | 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. | 1.4 | 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. | 2.5 | 83 |
| 143 | Variability in contrast agent uptake by different but similar stem cell types. International Journal of Nanomedicine, 2013, 8, 4577. | 6.7 | 16 |
| 144 | Reversal of Hyperglycemia by Insulin-Secreting Rat Bone Marrow- and Blastocyst-Derived Hypoblast Stem Cell-Like Cells. PLoS ONE, 2013, 8, e63491. | 2.5 | 9 |

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| 145 | Wnt5a Does Not Support Hematopoiesis in Stroma-Free, Serum-Free Cultures. PLoS ONE, 2013, 8, e53669. | 2.5 | 2 |
| 146 | Zic3 induces conversion of human fibroblasts to stable neural progenitor-like cells. Journal of Molecular Cell Biology, 2012, 4, 252-255. | 3.3 | 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. | 3.3 | 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. | 1.9 | 6 |
| 149 | Hurler Disease Bone Marrow Stromal Cells Exhibit Altered Ability to Support Osteoclast Formation. Stem Cells and Development, 2012, 21, 1466-1477. | 2.1 | 24 |
| 150 | Antagonism of Nodal signaling by BMP/Smad5 prevents ectopic primitive streak formation in the mouse amnion. Development (Cambridge), 2012, 139, 3343-3354. | 2.5 | 29 |
| 151 | Human pluripotent stem cell-derived hepatocytes support complete replication of hepatitis C virus. Journal of Hepatology, 2012, 57, 246-251. | 3.7 | 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. | 4.3 | 6 |
| 153 | Neural differentiation and support of neuroregeneration of non-neural adult stem cells. Progress in Brain Research, 2012, 201, 17-34. | 1.4 | 9 |
| 154 | Cryopreserved Reticulocytes Derived from Hematopoietic Stem Cells Can Be Invaded by Cryopreserved Plasmodium vivax Isolates. PLoS ONE, 2012, 7, e40798. | 2.5 | 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. | 2.5 | 15 |
| 156 | Successful isolation of liver progenitor cells by aldehyde dehydrogenase activity in naÃ¯ve mice. Hepatology, 2012, 55, 540-552. | 7.3 | 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. | 2.5 | 74 |
| 158 | TGFÎ²1-Induced Baf60c Regulates both Smooth Muscle Cell Commitment and Quiescence. PLoS ONE, 2012, 7, e47629. | 2.5 | 12 |
| 159 | Multipotent adult progenitor cells. Best Practice and Research in Clinical Haematology, 2011, 24, 3-11. | 1.7 | 43 |
| 160 | Directed differentiation of murine-induced pluripotent stem cells to functional hepatocyte-like cells. Journal of Hepatology, 2011, 54, 98-107. | 3.7 | 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. | 2.5 | 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. | 2.5 | 7 |
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