Valerie Vanneaux

List of Publications by Year
in descending order

59 papers	2,777 citations	218677 26 h-index	175258 52 g-index
60 all docs	60 docs citations	60 times ranked	4840 citing authors

#	Article	IF	Citations
1	Human embryonic stem cell-derived cardiac progenitors for severe heart failure treatment: first clinical case report: Figure 1. European Heart Journal, 2015, 36, 2011-2017.	2.2	383
2	Transplantation of Human Embryonic StemÂCellâ€“Derived Cardiovascular Progenitors for SevereÂIschemic LeftÂVentricular Dysfunction. Journal of the American College of Cardiology, 2018, 71, 429-438.	2.8	336
3	Cardiovascular progenitorâ€“derived extracellular vesicles recapitulate the beneficial effects of their parent cells in the treatment of chronic heart failure. Journal of Heart and Lung Transplantation, 2016, 35, 795-807.	0.6	161
4	Towards a clinical use of human embryonic stem cell-derived cardiac progenitors: a translational experience. European Heart Journal, 2015, 36, 743-750.	2.2	137
5	Composite Cell Sheets. Circulation, 2010, 122, S118-23.	1.6	121
6	Autologous Myoblast Transplantation for Oculopharyngeal Muscular Dystrophy: a Phase I/Iia Clinical Study. Molecular Therapy, 2014, 22, 219-225.	8.2	116
7	Conditioned media from mesenchymal stromal cells restore sodium transport and preserve epithelial permeability in an in vitro model of acute alveolar injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L975-L985.	2.9	101
8	Convergence of microengineering and cellular self-organization towards functional tissue manufacturing. Nature Biomedical Engineering, 2017, 1, 939-956.	22.5	90
9	Galectin-1 and Semaphorin-3A Are Two Soluble Factors Conferring T-Cell Immunosuppression to Bone Marrow Mesenchymal Stem Cell. Stem Cells and Development, 2010, 19, 1075-1079.	2.1	88
10	Age-Associated Decrease of the Histone Methyltransferase SUV39H1 in HSC Perturbs Heterochromatin and B Lymphoid Differentiation. Stem Cell Reports, 2016, 6, 970-984.	4.8	88
11	Long-term functional benefits of human embryonic stem cell-derived cardiac progenitors embedded into a fibrin scaffold. Journal of Heart and Lung Transplantation, 2015, 34, 1198-1207.	0.6	80
12	Nanofibrous clinical-grade collagen scaffolds seeded with human cardiomyocytes induces cardiac remodeling in dilated cardiomyopathy. Biomaterials, 2016, 80, 157-168.	11.4	65
13	Mesenchymal stem cells reduce hypoxia-induced apoptosis in alveolar epithelial cells by modulating HIF and ROS hypoxic signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L360-L371.	2.9	56
14	Recovery, viability and clinical toxicity of thawed and washed haematopoietic progenitor cells: analysis of 952 autologous peripheral blood stem cell transplantations. Bone Marrow Transplantation, 2007, 40, 831-835.	2.4	53
15	A polydioxanone electrospun valved patch to replace the right ventricular outflow tract in a growing lamb model. Biomaterials, 2010, 31, 4056-4063.	11.4	50
16	Circumferential Esophageal Replacement by a Tissue-engineered Substitute Using Mesenchymal Stem Cells. Cell Transplantation, 2017, 26, 1831-1839.	2.5	49
17	Circadian Clock Genes Modulate Human Bone Marrow Mesenchymal Stem Cell Differentiation, Migration and Cell Cycle. PLoS ONE, 2016, 11, e0146674.	2.5	46
18	Use of Human Umbilical Cord Blood Mononuclear Cells to Prevent Perinatal Brain Injury: A Preclinical Study. Stem Cells and Development, 2013, 22, 169-179.	2.1	42

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19	In Vitro and in Vivo Analysis of Endothelial Progenitor Cells from Cryopreserved Umbilical Cord Blood: Are We Ready for Clinical Application?. Cell Transplantation, 2010, 19, 1143-1155.	2.5	37
20	Stem cells for the treatment of heart failure. Current Research in Translational Medicine, 2016, 64, 97-106.	1.8	36
21	Circumferential esophageal replacement using a tube-shaped tissue-engineered substitute: An experimental study in minipigs. Surgery, 2015, 158, 266-277.	1.9	35
22	Cord bloodâ€circulating endothelial progenitors for treatment of vascular diseases. Cell Proliferation, 2011, 44, 44-47.	5.3	34
23	Expression of transforming growth factor Î² receptor II in mesenchymal stem cells from systemic sclerosis patients. BMJ Open, 2013, 3, e001890.	1.9	34
24	Molecular and Functional Characterization of Lymphoid Progenitor Subsets Reveals a Bipartite Architecture of Human Lymphopoiesis. Immunity, 2017, 47, 680-696.e8.	14.3	33
25	Influence of bone marrow graft B lymphocyte subsets on outcome after HLAâ€identical sibling transplants. British Journal of Haematology, 2009, 145, 107-114.	2.5	29
26	Mesenchymal stem cells protect from hypoxia-induced alveolar epithelial-mesenchymal transition. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L439-L451.	2.9	29
27	Glucocerebrosidase deficiency dramatically impairs human bone marrow haematopoiesis in an in vitro model of Gaucher disease. British Journal of Haematology, 2010, 150, 93-101.	2.5	27
28	Esophageal tissue engineering: Current status and perspectives. Journal of Visceral Surgery, 2016, 153, 21-29.	0.8	27
29	Bone Marrow Microenvironment in an In Vitro Model of Gaucher Disease: Consequences of Glucocerebrosidase Deficiency. Stem Cells and Development, 2012, 21, 239-248.	2.1	25
30	In Vitro Development and Characterization of a Tissue-Engineered Conduit Resembling Esophageal Wall Using Human and Pig Skeletal Myoblast, Oral Epithelial Cells, and Biologic Scaffolds. Tissue Engineering - Part A, 2013, 19, 2242-2252.	3.1	25
31	Bone Marrow Microenvironment in Fanconi Anemia: A Prospective Functional Study in a Cohort of Fanconi Anemia Patients. Stem Cells and Development, 2010, 19, 203-208.	2.1	23
32	Immune response to human embryonic stem cellâ€derived cardiac progenitors and adiposeâ€derived stromal cells. Journal of Cellular and Molecular Medicine, 2012, 16, 1544-1552.	3.6	23
33	A Prospective Study of Bone Marrow Hematopoietic and Mesenchymal Stem Cells in Type 1 Gaucher Disease Patients. PLoS ONE, 2013, 8, e69293.	2.5	22
34	Pluripotent Stem Cells and Other Innovative Strategies for the Treatment of Ocular Surface Diseases. Stem Cell Reviews and Reports, 2016, 12, 171-178.	5.6	22
35	Polymer-Based Reconstruction of the Inferior Vena Cava in Rat: Stem Cells or RGD Peptide?. Tissue Engineering - Part A, 2015, 21, 1552-1564.	3.1	21
36	Design of a 2D no-flow chamber to monitor hematopoietic stem cells. Lab on A Chip, 2015, 15, 77-85.	6.0	20

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37	A clinicalâ€grade acellular matrix for esophageal replacement. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2191-2203.	2.7	20
38	High Number of Memory T Cells Is Associated with Higher Risk of Acute Graft-versus-Host Disease after Allogeneic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2015, 21, 569-574.	2.0	18
39	Microbial contamination of BM products before and after processing: a report of incidence and immediate adverse events in 257 grafts. Cytotherapy, 2007, 9, 508-513.	0.7	16
40	Dynamics of Human Prothymocytes and Xenogeneic Thymopoiesis in Hematopoietic Stem Cell-Engrafted Nonobese Diabetic-SCID/IL-2rÎ³null Mice. Journal of Immunology, 2012, 189, 1648-1660.	0.8	16
41	Toll-like receptor 3 regulates cord blood-derived endothelial cell function in vitro and in vivo. Angiogenesis, 2013, 16, 821-836.	7.2	15
42	Gastrointestinal stability of urolithins: an in vitro approach. European Journal of Nutrition, 2017, 56, 99-106.	4.6	14
43	Human Bone Marrow Mesenchymal Stem Cells Regulate Biased DNA Segregation in Response to Cell Adhesion Asymmetry. Cell Reports, 2013, 5, 601-610.	6.4	13
44	Pro-angiogenic effect of RANTES-loaded polysaccharide-based microparticles for a mouse ischemia therapy. Scientific Reports, 2017, 7, 13294.	3.3	13
45	The role of HGF on invasive properties and repopulation potential of human fetal hepatic progenitor cells. Experimental Cell Research, 2009, 315, 3396-3405.	2.6	11
46	18F-FDG labelling of hematopoietic stem cells: Dynamic study of bone marrow homing by PETâ€“CT imaging and impact on cell functionality. Current Research in Translational Medicine, 2016, 64, 141-148.	1.8	10
47	GEP analysis validates high risk MDS and acute myeloid leukemia post MDS mice models and highlights novel dysregulated pathways. Journal of Hematology and Oncology, 2016, 9, 5.	17.0	10
48	Human Muscle Progenitor Cells Displayed Immunosuppressive Effect through Galectin-1 and Semaphorin-3A. Stem Cells International, 2012, 2012, 1-7.	2.5	9
49	Associated factors of umbilical cord blood collection quality. Transfusion, 2018, 58, 520-531.	1.6	9
50	Family cord blood banking for sickle cell disease: a twenty-year experience in two dedicated public cord blood banks. Haematologica, 2017, 102, 976-983.	3.5	8
51	In vitro and in vivo evaluation of cord blood hematopoietic stem and progenitor cells amplified with glycosaminoglycan mimetic. Stem Cell Research and Therapy, 2016, 7, 3.	5.5	7
52	Monoclonal antibody 1.6.1 against human MPL receptor allows HSC enrichment of CB and BM CD34+CD38â^' populations. Experimental Hematology, 2016, 44, 297-302.e1.	0.4	5
53	Cord blood attached segment: is this a relevant quality control to predict a good hematopoietic stem cell graft?. Bone Marrow Transplantation, 2017, 52, 1353-1354.	2.4	5
54	The influence of electrospinning parameters on polydioxanone scaffold properties. Biomedical Physics and Engineering Express, 2018, 4, 025023.	1.2	4

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55	RGD constructs with physical anchor groups as polymer co-electrospinnable cell adhesives. Polymers for Advanced Technologies, 2017, 28, 1312-1317.	3.2	3
56	Graft Product for Autologous Peripheral Blood Stem Cell Transplantation Enhances Thrombin Generation and Expresses Procoagulant Microparticles and Tissue Factor. Clinical and Applied Thrombosis/Hemostasis, 2018, 24, 684-690.	1.7	2
57	Quantification of nucleated red blood cells in allogeneic marrow graft and impact of processing on recovery. Transfusion, 2007, 47, 266-271.	1.6	1
58	Mesenchymal stem cells reduce hypoxia-induced apoptosis in alveolar epithelial cells by modulating hypoxic signaling. , 2015, , .		0
59	JAK2V617F - Positive Endothelial Cells Display Pro-Thrombotic Characteristics. Blood, 2016, 128, 4273-4273.	1.4	0