Leah A Marquez-Curtis

List of Publications by Year
in descending order

58 papers	3,981 citations	172457 29 h-index	144013 57 g-index
59 all docs	59 docs citations	59 times ranked	5975 citing authors

#	Article	IF	Citations
1	Cryopreservation and post-thaw characterization of dissociated human islet cells. PLoS ONE, 2022, 17, e0263005.	2.5	11
2	Cryopreservation of human cerebral microvascular endothelial cells and astrocytes in suspension and monolayers. PLoS ONE, 2021, 16, e0249814.	2.5	13
3	Protocol for Cryopreservation of Endothelial Monolayers. Methods in Molecular Biology, 2021, 2180, 581-591.	0.9	3
4	Cryopreservation of swine colostrum-derived cells. Cryobiology, 2020, 97, 168-178.	0.7	9
5	Cryopreservation of human umbilical vein and porcine corneal endothelial cell monolayers. Cryobiology, 2018, 85, 63-72.	0.7	28
6	Expansion and cryopreservation of porcine and human corneal endothelial cells. Cryobiology, 2017, 77, 1-13.	0.7	21
7	Improved Cryopreservation of Human Umbilical Vein Endothelial Cells: A Systematic Approach. Scientific Reports, 2016, 6, 34393.	3.3	32
8	Beyond membrane integrity: Assessing the functionality of human umbilical vein endothelial cells after cryopreservation. Cryobiology, 2016, 72, 183-190.	0.7	30
9	Cryopreserved amniotic membrane as transplant allograft: viability and post-transplant outcome. Cell and Tissue Banking, 2016, 17, 39-50.	1.1	24
10	Fibronectin-Alginate microcapsules improve cell viability and protein secretion of encapsulated Factor IX-engineered human mesenchymal stromal cells. Artificial Cells, Nanomedicine and Biotechnology, 2015, 43, 318-327.	2.8	12
11	Effect of supercooling and cell volume on intracellular ice formation. Cryobiology, 2015, 70, 156-163.	0.7	42
12	Mesenchymal stromal cells derived from various tissues: Biological, clinical and cryopreservation aspects. Cryobiology, 2015, 71, 181-197.	0.7	278
13	Migration, Proliferation, and Differentiation of Cord Blood Mesenchymal Stromal Cells Treated with Histone Deacetylase Inhibitor Valproic Acid. Stem Cells International, 2014, 2014, 1-14.	2.5	23
14	Cell-matrix Interactions of Factor IX (FIX)-engineered human mesenchymal stromal cells encapsulated in RGD-alginate vs. Fibrinogen-alginate microcapsules. Artificial Cells, Nanomedicine and Biotechnology, 2014, 42, 102-109.	2.8	14
15	Sustained expression of coagulation factor IX by modified cord bloodâ€derived mesenchymal stromal cells. Journal of Gene Medicine, 2014, 16, 131-142.	2.8	9
16	Polymeric nanoparticle-mediated silencing of CD44 receptor in CD34+ acute myeloid leukemia cells. Leukemia Research, 2014, 38, 1299-1308.	0.8	40
17	CXCR4 transfection of cord blood mesenchymal stromal cells with the use of cationic liposome enhances their migration toward stromal cellâ€“derived factor-1. Cytotherapy, 2013, 15, 840-849.	0.7	38
18	Enhancing the Migration Ability of Mesenchymal Stromal Cells by Targeting the SDF-1/CXCR4 Axis. BioMed Research International, 2013, 2013, 1-15.	1.9	240

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19	Membrane Type-1 Matrix Metalloproteinase Expression in Acute Myeloid Leukemia and Its Upregulation by Tumor Necrosis Factor-Î±. Cancers, 2012, 4, 743-762.	3.7	5
20	Encapsulation of factor IXâ€“engineered mesenchymal stem cells in fibrinogenâ€“alginate microcapsules enhances their viability and transgene secretion. Journal of Tissue Engineering, 2012, 3, 204173141246201.	5.5	24
21	Hematopoietic Stem Cell Mobilization and Homing after Transplantation: The Role of MMP-2, MMP-9, and MT1-MMP. Biochemistry Research International, 2012, 2012, 1-11.	3.3	33
22	Cationic Liposome-MediatedCXCR4Gene Delivery into Hematopoietic Stem/Progenitor Cells: Implications for Clinical Transplantation and Gene Therapy. Stem Cells and Development, 2012, 21, 1587-1596.	2.1	25
23	Low-intensity pulsed ultrasound-mediated stimulation of hematopoietic stem/progenitor cell viability, proliferation and differentiation in vitro. Biotechnology Letters, 2012, 34, 1965-1973.	2.2	44
24	Mesenchymal stromal cells derived from umbilical cord blood migrate in response to complement C1q. Cytotherapy, 2012, 14, 285-295.	0.7	58
25	The role of complement in the trafficking of hematopoietic stem/progenitor cells. Transfusion, 2012, 52, 2706-2716.	1.6	12
26	Abstract 464: CXCR7 protein is strongly expressed in B-acute lymphoblastic leukemia (ALL) but not in T-ALL or acute myelogenous leukemia. , 2012, , .		0
27	Microscope-based label-free microfluidic cytometry. Optics Express, 2011, 19, 387.	3.4	52
28	The Ins and Outs of Hematopoietic Stem Cells: Studies to Improve Transplantation Outcomes. Stem Cell Reviews and Reports, 2011, 7, 590-607.	5.6	59
29	Label-free and noninvasive optical detection of the distribution of nanometer-size mitochondria in single cells. Journal of Biomedical Optics, 2011, 16, 067003.	2.6	22
30	Fifth complement cascade protein (C5) cleavage fragments disrupt the SDF-1/CXCR4 axis: Further evidence that innate immunity orchestrates the mobilization of hematopoietic stem/progenitor cells. Experimental Hematology, 2010, 38, 321-332.	0.4	64
31	MT1-MMP association with membrane lipid rafts facilitates G-CSFâ^'induced hematopoietic stem/progenitor cell mobilization. Experimental Hematology, 2010, 38, 823-835.	0.4	38
32	Valproic acid exerts differential effects on CXCR4 expression in leukemic cells. Leukemia Research, 2010, 34, 235-242.	0.8	19
33	Complement C1q enhances homingâ€related responses of hematopoietic stem/progenitor cells. Transfusion, 2010, 50, 2002-2010.	1.6	28
34	The HGF/c-Met Axis Synergizes with G-CSF in the Mobilization of Hematopoietic Stem/Progenitor Cells. Stem Cells and Development, 2010, 19, 1143-1151.	2.1	33
35	CD34+ cell responsiveness to stromal cellâ€“derived factorâ€1Î± underlies rate of engraftment after peripheral blood stem cell transplantation. Transfusion, 2009, 49, 161-169.	1.6	12
36	Valproic Acid Increases CXCR4 Expression in Hematopoietic Stem/Progenitor Cells by Chromatin Remodeling. Stem Cells and Development, 2009, 18, 831-838.	2.1	54

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37	Carboxypeptidase M Expressed by Human Bone Marrow Cells Cleaves the C-Terminal Lysine of Stromal Cell-Derived Factor-1Î±: Another Player in Hematopoietic Stem/Progenitor Cell Mobilization?. Stem Cells, 2008, 26, 1211-1220.	3.2	63
38	CFU-megakaryocytic progenitors expanded ex vivo from cord blood maintain their in vitro homing potential and express matrix metalloproteinases. Cytotherapy, 2008, 10, 182-192.	0.7	13
39	The Potent Deacetylase Inhibitor Trichostatin a (TSA) Increases CXCR4 Expression in Hematopoietic Stem/Progenitor Cells by Chromatin Remodelling. Blood, 2008, 112, 3487-3487.	1.4	2
40	Migration of Bone Marrow and Cord Blood Mesenchymal Stem Cells In Vitro Is Regulated by Stromalâ€Derived Factorâ€1â€CXCR4 and Hepatocyte Growth Factorâ€câ€met Axes and Involves Matrix Metalloproteinases. Stem Cells, 2006, 24, 1254-1264.	3.2	586
41	Enhancing effect of platelet-derived microvesicles on the invasive potential of breast cancer cells. Transfusion, 2006, 46, 1199-1209.	1.6	157
42	Carboxypeptidase M Cleaves the C-Terminal Lysine of Stromal Cell-Derived Factor-1Î± and Is Expressed by Human Bone Marrow Cells.. Blood, 2006, 108, 351-351.	1.4	0
43	Microvesicles derived from activated platelets induce metastasis and angiogenesis in lung cancer. International Journal of Cancer, 2005, 113, 752-760.	5.1	668
44	Bcr-abl-positive cells secrete angiogenic factors including matrix metalloproteinases and stimulate angiogenesis in vivo in Matrigel implants. Leukemia, 2002, 16, 1160-1166.	7.2	84
45	Myeloperoxidase: Kinetic Evidence for Formation of Enzyme-Bound Chlorinating Intermediate. Methods in Enzymology, 2002, 354, 338-350.	1.0	4
46	Matrix metalloproteinase and tissue inhibitors of metalloproteinase secretion by haematopoietic and stromal precursors and their production in normal and leukaemic longâ€term marrow cultures. British Journal of Haematology, 2001, 115, 595-604.	2.5	44
47	The Proofreading Pathway of Bacteriophage T4 DNA Polymerase. Journal of Biological Chemistry, 1998, 273, 22969-22976.	3.4	34
48	Mechanism of the Oxidation of 3,5,3â€˜,5â€˜-Tetramethylbenzidine by Myeloperoxidase Determined by Transient- and Steady-State Kinetics. Biochemistry, 1997, 36, 9349-9355.	2.5	176
49	Kinetic and spectral properties of pea cytosolic ascorbate peroxidase. FEBS Letters, 1996, 389, 153-156.	2.8	46
50	Using 2-Aminopurine Fluorescence and Mutational Analysis to Demonstrate an Active Role of Bacteriophage T4 DNA Polymerase in Strand Separation Required for 3â€²â† 5â€²-Exonuclease Activity. Journal of Biological Chemistry, 1996, 271, 28903-28911.	3.4	53
51	Transient and Steady-State Kinetics of the Oxidation of Scopoletin by Horseradish Peroxidase Compounds I, II and III in the Presence of NADH. FEBS Journal, 1995, 233, 364-371.	0.2	23
52	Kinetics of Oxidation of Tyrosine and Dityrosine by Myeloperoxidase Compounds I and II. Journal of Biological Chemistry, 1995, 270, 30434-30440.	3.4	223
53	Mechanism of Manganese Peroxidase Compound II Reduction. Effect of Organic Acid Chelators and pH. Biochemistry, 1994, 33, 8694-8701.	2.5	137
54	Spectral and Kinetic Studies on the Formation of Myeloperoxidase Compounds I and II: Roles of Hydrogen Peroxide and Superoxide. Biochemistry, 1994, 33, 1447-1454.	2.5	141

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55	Interaction of Acetaminophen with Myeloperoxidase Intermediates: Optimum Stimulation of Enzyme Activity. Archives of Biochemistry and Biophysics, 1993, 305, 414-420.	3.0	25
56	Reaction of autoxidation products of penicillamine with myeloperoxidase. Biochemical and Biophysical Research Communications, 1990, 169, 1158-1163.	2.1	2
57	Cyanide binding to canine myeloperoxidase. Biochemistry and Cell Biology, 1989, 67, 187-191.	2.0	5
58	Cytochrome c peroxidase activity of a protease-modified form of cytochrome c-552 from the denitrifying bacterium Pseudomonas perfectomarina. Archives of Biochemistry and Biophysics, 1989, 270, 114-125.	3.0	9