Beatriz G Galvez

List of Publications by Year
in descending order

67	5,672	35	65
papers	citations	h-index	g-index
		109137	106150

70	70	70	7389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pericytes of human skeletal muscle are myogenic precursors distinct from satellite cells. Nature Cell Biology, 2007, 9, 255-267.	4.6	899
2	Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. Nature, 2006, 444, 574-579.	13.7	692
3	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF-Î°B activation. Journal of Cell Biology, 2007, 179, 33-40.	2.3	237
4	Membrane Type 1-Matrix Metalloproteinase Is Activated during Migration of Human Endothelial Cells and Modulates Endothelial Motility and Matrix Remodeling. Journal of Biological Chemistry, 2001, 276, 37491-37500.	1.6	214
5	ECM regulates MT1-MMP localization with Î²1 or Î±vÎ²3 integrins at distinct cell compartments modulating its internalization and activity on human endothelial cells. Journal of Cell Biology, 2002, 159, 509-521.	2.3	206
6	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. Journal of Cell Biology, 2006, 174, 231-243.	2.3	187
7	Caveolae Are a Novel Pathway for Membrane-Type 1 Matrix Metalloproteinase Traffic in Human Endothelial Cells. Molecular Biology of the Cell, 2004, 15, 678-687.	0.9	163
8	The hepatitis B virus X protein promotes tumor cell invasion by inducing membrane-type matrix metalloproteinase-1 and cyclooxygenase-2 expression. Journal of Clinical Investigation, 2002, 110, 1831-1838.	3.9	155
9	Nitric oxide release combined with nonsteroidal antiinflammatory activity prevents muscular dystrophy pathology and enhances stem cell therapy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 264-269.	3.3	152
10	Perivascular Adipose Tissue and Mesenteric Vascular Function in Spontaneously Hypertensive Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1297-1302.	1.1	146
11	â€˜Adipagingâ€™: ageing and obesity share biological hallmarks related to a dysfunctional adipose tissue. Journal of Physiology, 2016, 594, 3187-3207.	1.3	136
12	Stromal Cell-Derived Factor-1Î± Promotes Melanoma Cell Invasion across Basement Membranes Involving Stimulation of Membrane-Type 1 Matrix Metalloproteinase and Rho GTPase Activities. Cancer Research, 2004, 64, 2534-2543.	0.4	134
13	Lifestyle interventions for the prevention and treatment of hypertension. Nature Reviews Cardiology, 2021, 18, 251-275.	6.1	128
14	Up-regulation of Vascular Endothelial Growth Factor-A by Active Membrane-type 1 Matrix Metalloproteinase through Activation of Src-Tyrosine Kinases. Journal of Biological Chemistry, 2004, 279, 13564-13574.	1.6	126
15	Distinctive functions of membrane type 1 matrix-metalloprotease (MT1-MMP or MMP-14) in lung and submandibular gland development are independent of its role in pro-MMP-2 activation. Developmental Biology, 2005, 277, 255-269.	0.9	121
16	MT1-MMP: Universal or particular player in angiogenesis?. Cancer and Metastasis Reviews, 2006, 25, 77-86.	2.7	121
17	Complex Pattern of Membrane Type 1 Matrix Metalloproteinase Shedding. Journal of Biological Chemistry, 2002, 277, 26340-26350.	1.6	112
18	Membrane type 1â€“matrix metalloproteinase is involved in migration of human monocytes and is regulated through their interaction with fibronectin or endothelium. Blood, 2005, 105, 3956-3964.	0.6	105

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19	Membrane Type 1-Matrix Metalloproteinase Is Regulated by Chemokines Monocyte-Chemoattractant Protein-1/CCL2 and Interleukin-8/CXCL8 in Endothelial Cells during Angiogenesis. Journal of Biological Chemistry, 2005, 280, 1292-1298.	1.6	95
20	MiR-93 Controls Adiposity via Inhibition of Sirt7 and Tbx3. Cell Reports, 2015, 12, 1594-1605.	2.9	95
21	Cardiac mesoangioblasts are committed, self-renewable progenitors, associated with small vessels of juvenile mouse ventricle. Cell Death and Differentiation, 2008, 15, 1417-1428.	5.0	94
22	The hepatitis B virus X protein promotes tumor cell invasion by inducing membrane-type matrix metalloproteinase-1 and cyclooxygenase-2 expression. Journal of Clinical Investigation, 2002, 110, 1831-1838.	3.9	89
23	Altered Metabolic and Stemness Capacity of Adipose Tissue-Derived Stem Cells from Obese Mouse and Human. PLoS ONE, 2015, 10, e0123397.	1.1	82
24	Importance and regulation of adult stem cell migration. Journal of Cellular and Molecular Medicine, 2018, 22, 746-754.	1.6	78
25	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. Journal of Cell Biology, 2011, 193, 1197-1212.	2.3	77
26	Targeted Disruption of the <i>SUCNR1</i> Metabolic Receptor Leads to Dichotomous Effects on Obesity. Diabetes, 2015, 64, 1154-1167.	0.3	77
27	Ex vivo treatment with nitric oxide increases mesoangioblast therapeutic efficacy in muscular dystrophy. Journal of Cell Science, 2006, 119, 5114-5123.	1.2	60
28	Metabolic Rescue of Obese Adipose-Derived Stem Cells by Lin28/<i>Let7</i> Pathway. Diabetes, 2013, 62, 2368-2379.	0.3	58
29	Functional interplay between endothelial nitric oxide synthase and membrane type 1â€"matrix metalloproteinase in migrating endothelial cells. Blood, 2007, 110, 2916-2923.	0.6	55
30	Matrix Metalloproteinases: New Routes to the Use of MT1-MMP As A Therapeutic Target in Angiogenesis-Related Disease. Current Pharmaceutical Design, 2007, 13, 1787-1802.	0.9	48
31	Obese-derived ASCs show impaired migration and angiogenesis properties. Archives of Physiology and Biochemistry, 2013, 119, 195-201.	1.0	48
32	Human cardiac mesoangioblasts isolated from hypertrophic cardiomyopathies are greatly reduced in proliferation and differentiation potency. Cardiovascular Research, 2009, 83, 707-716.	1.8	46
33	MT1â€MMP and integrins: Handâ€toâ€hand in cell communication. BioFactors, 2010, 36, 248-254.	2.6	42
34	Sox2 Transduction Enhances Cardiovascular Repair Capacity of Blood-Derived Mesoangioblasts. Circulation Research, 2010, 106, 1290-1302.	2.0	37
35	TNF-alpha Is Required for the Attraction of Mesenchymal Precursors to White Adipose Tissue in Ob/ob Mice. PLoS ONE, 2009, 4, e4444.	1.1	35
36	Targeting endothelial junctional adhesion moleculeâ€•A / EPAC / R apâ€1 axis as a novel strategy to increase stem cell engraftment in dystrophic muscles. EMBO Molecular Medicine, 2014, 6, 239-258.	3.3	35

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37	New insight on obesity and adipose-derived stem cells using comprehensive metabolomics. Biochemical Journal, 2016, 473, 2187-2203.	1.7	35
38	Mitochondria Determine the Differentiation Potential of Cardiac Mesoangioblasts. Stem Cells, 2011, 29, 1064-1074.	1.4	34
39	Unhealthy Stem Cells: When Health Conditions Upset Stem Cell Properties. Cellular Physiology and Biochemistry, 2018, 46, 1999-2016.	1.1	32
40	Successful aging: insights from proteome analyses of healthy centenarians. Aging, 2020, 12, 3502-3515.	1.4	31
41	Skeletal Muscle Differentiation of Embryonic Mesoangioblasts Requires Pax3 Activity. Stem Cells, 2009, 27, 157-164.	1.4	30
42	Obesityâ€driven alterations in adiposeâ€derived stem cells are partially restored by weight loss. Obesity, 2016, 24, 661-669.	1.5	28
43	Ultrasound Therapy: Experiences and Perspectives for Regenerative Medicine. Genes, 2020, 11, 1086.	1.0	28
44	Muscle molecular adaptations to endurance exercise training are conditioned by glycogen availability: a proteomicsâ€based analysis in the McArdle mouse model. Journal of Physiology, 2018, 596, 1035-1061.	1.3	26
45	L-selectin and SDF-1 enhance the migration of mouse and human cardiac mesoangioblasts. Cell Death and Differentiation, 2012, 19, 345-355.	5.0	25
46	Low-Intensity Pulsed Ultrasound Improves the Functional Properties of Cardiac Mesoangioblasts. Stem Cell Reviews and Reports, 2015, 11, 852-865.	5.6	21
47	Mesoangioblasts from ventricular vessels can differentiate in vitro into cardiac myocytes with sinoatrial-like properties. Journal of Molecular and Cellular Cardiology, 2010, 48, 415-423.	0.9	19
48	Adipose stem cells from obese patients show specific differences in the metabolic regulators vitamin D and Gas5. Molecular Genetics and Metabolism Reports, 2017, 12, 51-56.	0.4	18
49	Transcriptional profiling of interleukin-2-primed human adipose derived mesenchymal stem cells revealed dramatic changes in stem cells response imposed by replicative senescence. Oncotarget, 2015, 6, 17938-17957.	0.8	18
50	The Potential of Stem Cells in the Treatment of Cardiovascular Diseases. Stem Cell Reviews and Reports, 2013, 9, 814-832.	5.6	17
51	Simple measurement of the apparent viscosity of a cell from only one picture: Application to cardiac stem cells. Physical Review E, 2014, 90, 052715.	0.8	16
52	Biological Rationale for Regular Physical Exercise as an Effective Intervention for the Prevention and Treatment of Depressive Disorders. Current Pharmaceutical Design, 2016, 22, 3764-3775.	0.9	16
53	Method for Obtaining Committed Adult Mesenchymal Precursors from Skin and Lung Tissue. PLoS ONE, 2012, 7, e53215.	1.1	15
54	A new paradigm for the understanding of obesity: the role of stem cells. Archives of Physiology and Biochemistry, 2011, 117, 188-194.	1.0	12

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55	Circulating leptin and adiponectin concentrations in healthy exceptional longevity. Mechanisms of Ageing and Development, 2017, 162, 129-132.	2.2	12
56	Membrane Blebbing Is Required for Mesenchymal Precursor Migration. PLoS ONE, 2016, 11, e0150004.	1.1	10
57	Application of low-intensity pulsed therapeutic ultrasound on mesenchymal precursors does not affect their cell properties. PLoS ONE, 2021, 16, e0246261.	1.1	8
58	iPSCs-based anti-aging therapies: Recent discoveries and future challenges. Ageing Research Reviews, 2016, 27, 37-41.	5.0	7
59	Correction: Corrigendum: Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. Nature, 2013, 494, 506-506.	13.7	6
60	BMPER is upregulated in obesity and seems to have a role in pericardial adipose stem cells. Journal of Cellular Physiology, 2021, 236, 132-145.	2.0	5
61	Influence of Cytokines on Inflammatory Eye Diseases: A Citation Network Study. Journal of Clinical Medicine, 2022, 11, 661.	1.0	5
62	Isolation, Characterization and Differentiation Potential of Cardiac Progenitor Cells in Adult Pigs. Stem Cell Reviews and Reports, 2012, 8, 706-719.	5.6	4
63	Adipokines disrupt cardiac differentiation and cardiomyocyte survival. International Journal of Obesity, 2020, 44, 908-919.	1.6	4
64	An opto-structural method to estimate the stress-strain field induced by cell contraction on substrates of controlled stiffness in vitro. Journal of Applied Biomaterials and Functional Materials, 2013, 11, 143-150.	0.7	2
65	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF-ÎºB activation. Journal of Experimental Medicine, 2007, 204, i24-i24.	4.2	1
66	Functional Assays of Stem Cell Properties Derived from Different Niches. Methods in Molecular Biology, 2018, 2002, 29-38.	0.4	0
67	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. Journal of Experimental Medicine, 2006, 203, i21-i21.	4.2	0