

Claudio Muscari

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,294
citations

279778

23
h-index

361001

35
g-index

46
all docs

46
docs citations

46
times ranked

2014
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining adult stem cells and polymeric devices for tissue engineering in infarcted myocardium. <i>Biomaterials</i> , 2012, 33, 5683-5695.	11.4	95
2	Effect of Trimetazidine on Mitochondrial Function and Oxidative Damage during Reperfusion of Ischemic Heart. <i>Pharmacology</i> , 1993, 46, 324-331.	2.2	78
3	Hyaluronan and cardiac regeneration. <i>Journal of Biomedical Science</i> , 2014, 21, 100.	7.0	66
4	Involvement of polyamines in apoptosis of cardiac myoblasts in a model of simulated ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 775-782.	1.9	59
5	Myocardial protection in adult cardiac surgery: current options and future challenges. <i>European Journal of Cardio-thoracic Surgery</i> , 2003, 24, 986-993.	1.4	58
6	Priming adult stem cells by hypoxic pretreatments for applications in regenerative medicine. <i>Journal of Biomedical Science</i> , 2013, 20, 63.	7.0	58
7	Pharmacologically active microcarriers associated with thermosensitive hydrogel as a growth factor releasing biomimetic 3D scaffold for cardiac tissue-engineering. <i>Journal of Controlled Release</i> , 2014, 192, 82-94.	9.9	53
8	An Engineered Multiphase Three-Dimensional Microenvironment to Ensure the Controlled Delivery of Cyclic Strain and Human Growth Differentiation Factor 5 for the Tenogenic Commitment of Human Bone Marrow Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2017, 23, 811-822.	3.1	51
9	Role of reactive oxygen species in cardiovascular aging. <i>Molecular and Cellular Biochemistry</i> , 1996, 160-161, 159-166.	3.1	47
10	Nitric oxide can function as either a killer molecule or an antiapoptotic effector in cardiomyocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1999, 1450, 406-413.	4.1	46
11	Pharmacologically active microcarriers influence VEGF effects on mesenchymal stem cell survival. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 192-204.	3.6	42
12	Nitric oxide regulates multiple functions and fate of adult progenitor and stem cells. <i>Journal of Physiology and Biochemistry</i> , 2015, 71, 141-153.	3.0	41
13	Increase of Neuronal Nitric Oxide Synthase in Rat Skeletal Muscle during Ageing. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 216-219.	2.1	40
14	Enhanced engraftment and repairing ability of human adipose-derived stem cells, conveyed by pharmacologically active microcarriers continuously releasing HGF and IGF1, in healing myocardial infarction in rats. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3012-3025.	4.0	37
15	Nitric oxide synthase activity in rat cardiac mitochondria. <i>Basic Research in Cardiology</i> , 2004, 99, 159-164.	5.9	36
16	Effects of Mangostin on Viability, Growth and Cohesion of Multicellular Spheroids Derived from Human Breast Cancer Cell Lines. <i>International Journal of Medical Sciences</i> , 2018, 15, 23-30.	2.5	36
17	Polyamine Depletion Reduces TNF α /MG132-Induced Apoptosis in Bone Marrow Stromal Cells. <i>Stem Cells</i> , 2005, 23, 983-991.	3.2	32
18	Mechanostimulation Protocols for Cardiac Tissue Engineering. <i>BioMed Research International</i> , 2013, 2013, 1-10.	1.9	31

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19	Architectural Organization and Functional Features of Early Endothelial Progenitor Cells Cultured in a Hyaluronan-Based Polymer Scaffold. <i>Tissue Engineering - Part A</i> , 2009, 15, 2751-2762.	3.1	30
20	Localization of mesenchymal stem cells grafted with a hyaluronan-based scaffold in the infarcted heart. <i>Journal of Surgical Research</i> , 2013, 179, e21-e29.	1.6	27
21	Restored perfusion and reduced inflammation in the infarcted heart after grafting stem cells with a hyaluronan-based scaffold. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 518-530.	3.6	27
22	Difluoromethylornithine stimulates early cardiac commitment of mesenchymal stem cells in a model of mixed culture with cardiomyocytes. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 1046-1052.	2.6	24
23	Strategies Affording Prevascularized Cell-Based Constructs for Myocardial Tissue Engineering. <i>Stem Cells International</i> , 2014, 2014, 1-8.	2.5	24
24	Early preconditioning prevents the loss of endothelial nitric oxide synthase and enhances its activity in the ischemic/reperfused rat heart. <i>Life Sciences</i> , 2004, 74, 1127-1137.	4.3	23
25	Mechanical Actuation Systems for the Phenotype Commitment of Stem Cell-Based Tendon and Ligament Tissue Substitutes. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 189-201.	5.6	23
26	Epigenetic Signature of Early Cardiac Regulatory Genes in Native Human Adipose-Derived Stem Cells. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 255-262.	1.8	21
27	An innovative stand-alone bioreactor for the highly reproducible transfer of cyclic mechanical stretch to stem cells cultured in a 3D scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 787-793.	2.7	20
28	Comparison between Culture Conditions Improving Growth and Differentiation of Blood and Bone Marrow Cells Committed to the Endothelial Cell Lineage. <i>Biological Procedures Online</i> , 2010, 12, 89-106.	2.9	19
29	Pharmacologically active microcarriers for endothelial progenitor cell support and survival. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 609-616.	4.3	17
30	Polyamines in Cardiac Physiology and Disease~!2009-10-19~!2009-11-30~!2010-06-14~!. <i>Open Heart Failure Journal</i> , 2010, 3, 25-30.	0.5	16
31	Alpha-tocopherol pretreatment improves endothelium-dependent vasodilation in aortic strips of young and aging rats exposed to oxidative stress. <i>Molecular and Cellular Biochemistry</i> , 1996, 157, 223-8.	3.1	15
32	Different expression of NOS isoforms in early endothelial progenitor cells derived from peripheral and cord blood. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 992-1001.	2.6	14
33	Comparison between Stem Cells Harvested from Wet and Dry Lipoaspirates. <i>Connective Tissue Research</i> , 2013, 54, 34-40.	2.3	14
34	Adipose-derived stem cell adhesion on laminin-coated microcarriers improves commitment toward the cardiomyogenic lineage. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1828-1839.	4.0	13
35	Complete Disaggregation of MCF-7-derived Breast Tumour Spheroids with Very Low Concentrations of Î±-Mangostin Loaded in CD44 Thioaptamer-tagged Nanoparticles. <i>International Journal of Medical Sciences</i> , 2019, 16, 33-42.	2.5	13
36	Doxorubicin and Î±-Mangostin oppositely affect luminal breast cancer cell stemness evaluated by a new retinaldehyde-dependent ALDH assay in MCF-7 tumor spheroids. <i>Biomedicine and Pharmacotherapy</i> , 2020, 124, 109927.	5.6	11

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37	Molecular mechanisms of ischemic preconditioning and postconditioning as putative therapeutic targets to reduce tumor survival and malignancy. <i>Medical Hypotheses</i> , 2013, 81, 1141-1145.	1.5	8
38	Ischemic preconditioning preserves proton leakage from mitochondrial membranes but not oxidative phosphorylation during heart reperfusion. <i>Cell Biochemistry and Function</i> , 2006, 24, 511-518.	2.9	7
39	Evaluation of cellular energetics by the Pasteur effect in intact cardiomyoblasts and isolated perfused hearts. <i>Molecular and Cellular Biochemistry</i> , 2004, 258, 91-97.	3.1	6
40	Long-term treatment with N-acetylcysteine, but not caloric restriction, protects mesenchymal stem cells of aged rats against tumor necrosis factor-induced death. <i>Experimental Gerontology</i> , 2006, 41, 800-804.	2.8	4
41	Lull pgm system: A suitable technique to improve the regenerative potential of autologous fat grafting. <i>Wound Repair and Regeneration</i> , 2017, 25, 722-729.	3.0	4
42	Evaluation of nitric oxide release in the coronary effluent by a novel EPR technique: A study on isolated rat hearts subjected to cold cardioplegia and reperfusion. <i>Life Sciences</i> , 2003, 74, 109-123.	4.3	3
43	Leupeptin Preserves Cardiac Nitric Oxide Synthase 3 During Reperfusion Following Long-Term Cardioplegia. <i>Journal of Surgical Research</i> , 2010, 164, e27-e35.	1.6	2
44	Deferoxamine Protects Stromal/Stem Cells of "Lull pgm System" Processed Lipoaspirates Against Damages Induced by Mitochondrial Respiration Inhibition. <i>Aesthetic Plastic Surgery</i> , 2020, 44, 168-176.	0.9	2
45	Cancer stem cells and mesenchymal stem cells in the hypoxic tumor niche: Two different targets for one only drug. <i>Medical Hypotheses</i> , 2015, 84, 227-230.	1.5	1
46	Architectural organization and functional features of early endothelial progenitor cells cultured in a hyaluronan-based polymer scaffold. <i>Tissue Engineering</i> , 0, , 110306233436091.	4.6	0