Carlo Ventura

List of Publications by Year
in descending order

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98	3,334	117625	155660
papers	citations	34 h-index	55 g-index

98	98	98	3624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A New Nonenzymatic Method and Device to Obtain a Fat Tissue Derivative Highly Enriched in Pericyte-Like Elements by Mild Mechanical Forces from Human Lipoaspirates. Cell Transplantation, 2013, 22, 2063-2077.	2.5	259
2	Adipose Tissue and Mesenchymal Stem Cells: State of the Art and LipogemsÂ® Technology Development. Current Stem Cell Reports, 2016, 2, 304-312.	1.6	171
3	Hyaluronan Mixed Esters of Butyric and Retinoic Acid Drive Cardiac and Endothelial Fate in Term Placenta Human Mesenchymal Stem Cells and Enhance Cardiac Repair in Infarcted Rat Hearts. Journal of Biological Chemistry, 2007, 282, 14243-14252.	3.4	152
4	Opioid receptors in rat cardiac sarcolemma: effect of phenylephrine and isoproterenol. Biochimica Et Biophysica Acta - Biomembranes, 1989, 987, 69-74.	2.6	125
5	New Trial Designs and Potential Therapies for Pulmonary Artery Hypertension. Journal of the American College of Cardiology, 2013, 62, D82-D91.	2.8	113
6	Fibroblast Proliferation and Migration in Wound Healing by Phytochemicals: Evidence for a Novel Synergic Outcome. International Journal of Medical Sciences, 2020, 17, 1030-1042.	2.5	94
7	Opioid Peptide Gene Expression Primes Cardiogenesis in Embryonal Pluripotent Stem Cells. Circulation Research, 2000, 87, 189-194.	4.5	87
8	Turning on stem cell cardiogenesis with extremely low frequency magnetic fields. FASEB Journal, 2005, 19, 155-157.	0.5	81
9	Butyric and Retinoic Mixed Ester of Hyaluronan. Journal of Biological Chemistry, 2004, 279, 23574-23579.	3.4	72
10	Mesenchymal Stem Cells and Islet Cotransplantation in Diabetic Rats: Improved Islet Graft Revascularization and Function by Human Adipose Tissue-Derived Stem Cells Preconditioned with Natural Molecules. Cell Transplantation, 2012, 21, 2771-2781.	2.5	72
11	Radioelectric Asymmetric Conveyed Fields and Human Adipose-Derived Stem Cells Obtained with a Nonenzymatic Method and Device: A Novel Approach to Multipotency. Cell Transplantation, 2014, 23, 1489-1500.	2.5	70
12	Dynorphin B Is an Agonist of Nuclear Opioid Receptors Coupling Nuclear Protein Kinase C Activation to the Transcription of Cardiogenic Genes in GTR1 Embryonic Stem Cells. Circulation Research, 2003, 92, 623-629.	4.5	68
13	Inhibition of the MEK/ERK signaling pathway by the novel antimetastatic agent NAMIâ€A down regulates câ€‹i>myc‹/i>gene expression and endothelial cell proliferation. FEBS Journal, 2002, 269, 5861-5870.	0.2	67
14	Radiofrequency Energy Loop Primes Cardiac, Neuronal, and Skeletal Muscle Differentiation in Mouse Embryonic Stem Cells: A New Tool for Improving Tissue Regeneration. Cell Transplantation, 2012, 21, 1225-1233.	2.5	66
15	Radio Electric Conveyed Fields Directly Reprogram Human Dermal Skin Fibroblasts toward Cardiac, Neuronal, and Skeletal Muscle-Like Lineages. Cell Transplantation, 2013, 22, 1227-1235.	2.5	66
16	The anti-metastatic agent imidazolium trans-imidazoledimethylsulfoxide-tetrachlororuthenate induces endothelial cell apoptosis by inhibiting the mitogen-activated protein kinase/extracellular signal-regulated kinase signaling pathway. Archives of Biochemistry and Biophysics, 2002, 403, 209-218.	3.0	63
17	Mild exercise training, cardioprotection and stress genes profile. European Journal of Applied Physiology, 2007, 99, 503-510.	2.5	62
18	Future Perspectives for the Treatment of Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2009, 54, S108-S117.	2.8	62

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19	Placental stem cells pre-treated with a hyaluronan mixed ester of butyric and retinoic acid to cure infarcted pig hearts: a multimodal study. Cardiovascular Research, 2011, 90, 546-556.	3.8	59
20	Hyaluronan Mixed Esters of Butyric and Retinoic Acid Affording Myocardial Survival and Repair without Stem Cell Transplantation. Journal of Biological Chemistry, 2010, 285, 9949-9961.	3.4	58
21	Melatonin and Vitamin D Interfere with the Adipogenic Fate of Adipose-Derived Stem Cells. International Journal of Molecular Sciences, 2017, 18, 981.	4.1	55
22	Protein Kinase C Signaling Transduces Endorphin-Primed Cardiogenesis in GTR1 Embryonic Stem Cells. Circulation Research, 2003, 92, 617-622.	4.5	54
23	Control of autocrine and paracrine myocardial signals: an emerging therapeutic strategy in heart failure. Heart Failure Reviews, 2010, 15, 531-542.	3.9	48
24	Nuclear Opioid Receptors Activate Opioid Peptide Gene Transcription in Isolated Myocardial Nuclei. Journal of Biological Chemistry, 1998, 273, 13383-13386.	3.4	46
25	PKC/Raf/MEK/ERK signaling pathway modulates native-LDL-induced E2F-1 gene expression and endothelial cell proliferation. Cardiovascular Research, 2003, 59, 934-944.	3.8	45
26	Sodium butyrate inhibits plateletâ€derived growth factorâ€induced proliferation and migration in pulmonary artery smooth muscle cells through <scp>A</scp>kt inhibition. FEBS Journal, 2013, 280, 2042-2055.	4.7	41
27	Neurological morphofunctional differentiation induced by REAC technology in PC12. A neuro protective model for Parkinsonâ€™s disease. Scientific Reports, 2015, 5, 10439.	3.3	41
28	Mesenchymal Stem Cells in Renal Function Recovery after Acute Kidney Injury: Use of a Differentiating Agent in a Rat Model. Cell Transplantation, 2011, 20, 1193-1208.	2.5	40
29	Comparison between alpha-adrenergic- and K-opioidergic-mediated inositol(1,4,5)P3/inositol(1,3,4,5)P4 formation in adult cultured rat ventricular cardiomyocytes. Biochemical and Biophysical Research Communications, 1991, 179, 972-978.	2.1	39
30	Regenerative treatment using a radioelectric asymmetric conveyor as a novel tool in antiaging medicine: an in vitro beta-galactosidase study. Clinical Interventions in Aging, 2012, 7, 191.	2.9	36
31	Anti-senescence efficacy of radio-electric asymmetric conveyer technology. Age, 2014, 36, 9-20.	3.0	36
32	REAC technology and hyaluron synthase 2, an interesting network to slow down stem cell senescence. Scientific Reports, 2016, 6, 28682.	3.3	36
33	Hyaluronan Esters Drive Smad Gene Expression and Signaling Enhancing Cardiogenesis in Mouse Embryonic and Human Mesenchymal Stem Cells. PLoS ONE, 2010, 5, e15151.	2.5	36
34	Elf-pulsed magnetic fields modulate opioid peptide gene expression in myocardial cells. Cardiovascular Research, 2000, 45, 1054-1064.	3.8	35
35	MiR200 and miR302: Two Big Families Influencing Stem Cell Behavior. Molecules, 2018, 23, 282.	3.8	35
36	Reduced mechanical activity of perfused rat heart following morphine or enkephalin peptides administration. Life Sciences, 1985, 37, 1327-1333.	4.3	34

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37	Osteogenesis from Dental Pulp Derived Stem Cells: A Novel Conditioned Medium Including Melatonin within a Mixture of Hyaluronic, Butyric, and Retinoic Acids. Stem Cells International, 2016, 2016, 1-8.	2.5	34
38	Life Rhythm as a Symphony of Oscillatory Patterns: Electromagnetic Energy and Sound Vibration Modulates gene Expression for Biological Signaling and Healing. Global Advances in Health and Medicine, 2014, 3, 40-55.	1.6	33
39	Phorbol Ester Regulation of Opioid Peptide Gene Expression in Myocardial Cells. Journal of Biological Chemistry, 1995, 270, 30115-30120.	3.4	32
40	Opioid Peptide Gene Expression in the Primary Hereditary Cardiomyopathy of the Syrian Hamster. Journal of Biological Chemistry, 1997, 272, 6699-6705.	3.4	31
41	Amniotic fluid stem cells morph into a cardiovascular lineage: analysis of a chemically induced cardiac and vascular commitment. Drug Design, Development and Therapy, 2013, 7, 1063.	4.3	31
42	Opioid Peptide Gene Expression in the Primary Hereditary Cardiomyopathy of the Syrian Hamster. Journal of Biological Chemistry, 1997, 272, 6685-6692.	3.4	30
43	Effects of regenerative radioelectric asymmetric conveyer treatment on human normal and osteoarthritic chondrocytes exposed to IL-1β. A biochemical and morphological study. Clinical Interventions in Aging, 2013, 8, 309.	2.9	28
44	Comparison of Oxidative Stress Effects on Senescence Patterning of Human Adult and Perinatal Tissue-Derived Stem Cells in Short and Long-term Cultures. International Journal of Medical Sciences, 2018, 15, 1486-1501.	2.5	28
45	Direct-to-Consumer Nutrigenetics Testing: An Overview. Nutrients, 2020, 12, 566.	4.1	27
46	CAM and Cell Fate Targeting: Molecular and Energetic Insights into Cell Growth and Differentiation. Evidence-based Complementary and Alternative Medicine, 2005, 2, 277-283.	1.2	25
47	Dissecting histone deacetylase role in pulmonary arterial smooth muscle cell proliferation and migration. Biochemical Pharmacology, 2014, 91, 181-190.	4.4	24
48	Mesenchymal Stem Cells in Lipogems, a Reverse Story: from Clinical Practice to Basic Science. Methods in Molecular Biology, 2016, 1416, 109-122.	0.9	24
49	Sex-Specific Transcriptome Differences in Human Adipose Mesenchymal Stem Cells. Genes, 2020, 11, 909.	2.4	24
50	Nanomechanics to Drive Stem Cells in Injured Tissues: Insights from Current Research and Future Perspectives. Stem Cells and Development, 2011, 20, 561-568.	2.1	23
51	Rosuvastatin elicits KDR-dependent vasculogenic response of human placental stem cells through PI3K/AKT pathway. Pharmacological Research, 2012, 65, 275-284.	7.1	23
52	Melatonin and Vitamin D Orchestrate Adipose Derived Stem Cell Fate by Modulating Epigenetic Regulatory Genes. International Journal of Medical Sciences, 2018, 15, 1631-1639.	2.5	23
53	Magnesium Deprivation Potentiates Human Mesenchymal Stem Cell Transcriptional Remodeling. International Journal of Molecular Sciences, 2018, 19, 1410.	4.1	21
54	Lessons from human umbilical cord: gender differences in stem cells from Whartonâ€™s jelly. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2019, 234, 143-148.	1.1	18

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55	Opioid Peptide Gene Expression in the Primary Hereditary Cardiomyopathy of the Syrian Hamster. Journal of Biological Chemistry, 1997, 272, 6693-6698.	3.4	17
56	Orchestrating stem cell fate: Novel tools for regenerative medicine. World Journal of Stem Cells, 2019, 11, 464-475.	2.8	17
57	Extracts from Myrtle Liqueur Processing Waste Modulate Stem Cells Pluripotency under Stressing Conditions. BioMed Research International, 2019, 2019, 1-12.	1.9	16
58	Physical energies to the rescue of damaged tissues. World Journal of Stem Cells, 2019, 11, 297-321.	2.8	16
59	Tissue Regeneration without Stem Cell Transplantation: Self-Healing Potential from Ancestral Chemistry and Physical Energies. Stem Cells International, 2018, 2018, 1-8.	2.5	15
60	Mechanical Stimulation of Fibroblasts by Extracorporeal Shock Waves: Modulation of Cell Activation and Proliferation Through a Transient Proinflammatory Milieu. Cell Transplantation, 2020, 29, 096368972091617.	2.5	15
61	Inhibition of rat heart superoxidase dismutase activity by diethyldithiocarbamate and its effect on mitochondrial function. Biochemical Pharmacology, 1981, 30, 2174-2176.	4.4	14
62	Epigenetics, Stem Cells, and Autophagy: Exploring a Path Involving miRNA. International Journal of Molecular Sciences, 2019, 20, 5091.	4.1	14
63	Regenerative medicine approach to repair the failing heart. Vascular Pharmacology, 2013, 58, 159-163.	2.1	11
64	Tuning Adipogenic Differentiation in ADSCs by Metformin and Vitamin D: Involvement of miRNAs. International Journal of Molecular Sciences, 2020, 21, 6181.	4.1	11
65	Unravelling Cellular Mechanisms of Stem Cell Senescence: An Aid from Natural Bioactive Molecules. Biology, 2020, 9, 57.	2.8	11
66	Metformin and Vitamin D Modulate Inflammation and Autophagy during Adipose-Derived Stem Cell Differentiation. International Journal of Molecular Sciences, 2021, 22, 6686.	4.1	11
67	Stem Cells and Cardiovascular Repair: A Role for Natural and Synthetic Molecules Harboring Differentiating and Paracrine Logics. Cardiovascular and Hematological Agents in Medicinal Chemistry, 2008, 6, 60-68.	1.0	10
68	Stem Cell Differentiation Stage Factors from Zebrafish Embryo: A Novel Strategy to Modulate the Fate of Normal and Pathological Human (Stem) Cells. Current Pharmaceutical Biotechnology, 2015, 16, 782-792.	1.6	10
69	Restoring In Vivo-Like Membrane Lipidomics Promotes Exosome Trophic Behavior from Human Placental Mesenchymal Stromal/Stem Cells. Cell Transplantation, 2018, 27, 55-69.	2.5	10
70	Herb-Derived Products: Natural Tools to Delay and Counteract Stem Cell Senescence. Stem Cells International, 2020, 2020, 1-28.	2.5	10
71	Smart Nanofibers with Natural Extracts Prevent Senescence Patterning in a Dynamic Cell Culture Model of Human Skin. Cells, 2020, 9, 2530.	4.1	10
72	Heparin inhibits phorbol ester-induced ornithine decarboxylase gene expression in endothelial cells. FEBS Letters, 1998, 423, 98-104.	2.8	9

#	Article	IF	Citations
73	Cytochalasin B Modulates Nanomechanical Patterning and Fate in Human Adipose-Derived Stem Cells. Cells, 2022, 11, 1629.	4.1	9
74	Heparin down-regulates the phorbol ester-induced protein kinase C gene expression in human endothelial cells: enzyme-mediated autoregulation of protein kinase C-Î± and -Î´ genes1. FEBS Letters, 1999, 449, 135-140.	2.8	8
75	Creating prodynorphin-expressing stem cells alerted for a high-throughput of cardiogenic commitment. Regenerative Medicine, 2007, 2, 193-202.	1.7	8
76	Occurring ofIn VitroFunctional Vasculogenic Pericytes from Human Circulating Early Endothelial Precursor Cell Culture. Stem Cells International, 2015, 2015, 1-11.	2.5	8
77	Physical stimulation by REAC and BMP4/WNT-1 inhibitor synergistically enhance cardiogenic commitment in iPSCs. PLoS ONE, 2019, 14, e0211188.	2.5	8
78	Behavioral Changes in Stem-Cell Potency by HepG2-Exhausted Medium. Cells, 2020, 9, 1890.	4.1	7
79	Natural Compounds and PCL Nanofibers: A Novel Tool to Counteract Stem Cell Senescence. Cells, 2021, 10, 1415.	4.1	7
80	â€˜Observational medicineâ€™: registries and Electronic Health Recording for science and health systems governance. European Journal of Heart Failure, 2016, 18, 1093-1095.	7.1	6
81	Endogenous Opioids and Their Role in Stem Cell Biology and Tissue Rescue. International Journal of Molecular Sciences, 2022, 23, 3819.	4.1	6
82	Melatonin finely tunes proliferation and senescence in hematopoietic stem cells. European Journal of Cell Biology, 2022, 101, 151251.	3.6	5
83	Early Developmental Zebrafish Embryo Extract to Modulate Senescence in Multisource Human Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2019, 20, 2646.	4.1	4
84	Identifying a Role of Red and White Wine Extracts in Counteracting Skin Aging: Effects of Antioxidants on Fibroblast Behavior. Antioxidants, 2021, 10, 227.	5.1	4
85	Metformin and vitamin D modulate adipose-derived stem cell differentiation towards the beige phenotype. Adipocyte, 2022, 11, 356-365.	2.8	4
86	Tuning stem cell fate with physical energies. Cytotherapy, 2013, 15, 1441-1443.	0.7	3
87	Zebrafish embryo extract counteracts human stem cell senescence. Frontiers in Bioscience - Scholar, 2019, 11, 89-104.	2.1	3
88	Cell Responsiveness to Physical Energies: Paving the Way to Decipher a Morphogenetic Code. International Journal of Molecular Sciences, 2022, 23, 3157.	4.1	3
89	Intracrine Endorphinergic Systems in Modulation of Myocardial Differentiation. International Journal of Molecular Sciences, 2019, 20, 5175.	4.1	2
90	Adipose-Derived Stem Cell Features and MCF-7. Cells, 2021, 10, 1754.	4.1	2

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91	Unveiling the morphogenetic code: A new path at the intersection of physical energies and chemical signaling. World Journal of Stem Cells, 2021, 13, 1382-1393.	2.8	2
92	Information Survey on the Use of Complementary and Alternative Medicine. Medicina (Lithuania), 2022, 58, 125.	2.0	2
93	Cardiomyocyte proliferation: paving the way for cardiac regenerative medicine without stem cell transplantation. Cardiovascular Research, 2010, 85, 643-644.	3.8	1
94	Biophysical signalling from and to the (stem) cells: a novel path to regenerative medicine. European Journal of Heart Failure, 2016, 18, 1405-1407.	7.1	1
95	Protective effects of exosomes derived from lyophilized porcine liver against acetaminophen damage on HepG2 cells. BMC Complementary Medicine and Therapies, 2021, 21, 299.	2.7	1
96	Special Issue of International Journal of Molecular Sciences â€œOpioid Receptors and Endorphinergic Systems 2.0â€• International Journal of Molecular Sciences, 2021, 22, 8365.	4.1	0
97	Cardiac Regenerative Medicine Without Stem Cell Transplantation. , 2012, , 331-340.		0
98	Cardiac Versus Non-Cardiac Stem Cells to Repair the Heart: The Role of Autocrine/Paracrine Signals. , 2012, , 367-382.		0