Elisa Messina

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3187578/publications.pdf

Version: 2024-02-01

59	5,510	201575	149623
papers	citations	27 h-index	56 g-index

60	60	60	5460
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isolation and Expansion of Adult Cardiac Stem Cells From Human and Murine Heart. Circulation Research, 2004, 95, 911-921.	2.0	1,374
2	Regenerative Potential of Cardiosphere-Derived Cells Expanded From Percutaneous Endomyocardial Biopsy Specimens. Circulation, 2007, 115, 896-908.	1.6	1,074
3	Relative Roles of Direct Regeneration Versus Paracrine Effects of Human Cardiosphere-Derived Cells Transplanted Into Infarcted Mice. Circulation Research, 2010, 106, 971-980.	2.0	609
4	Cardiac tissue engineering using tissue printing technology and human cardiac progenitor cells. Biomaterials, 2012, 33, 1782-1790.	5.7	347
5	Epicardial application of cardiac progenitor cells in a 3D-printed gelatin/hyaluronic acid patch preserves cardiac function after myocardial infarction. Biomaterials, 2015, 61, 339-348.	5.7	265
6	Endogenous Cardiac Stem Cells. Progress in Cardiovascular Diseases, 2007, 50, 31-48.	1.6	229
7	Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. Cardiovascular Research, 2009, 82, 411-420.	1.8	104
8	Insulin Resistance as Common Molecular Denominator Linking Obesity to Alzheimerâ€™s Disease. Current Alzheimer Research, 2015, 12, 723-735.	0.7	97
9	Metformin increases APP expression and processing via oxidative stress, mitochondrial dysfunction and NF-Î²B activation: Use of insulin to attenuate metformin's effect. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1046-1059.	1.9	95
10	Cardiac stem cells: isolation, expansion and experimental use for myocardial regeneration. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, S9-S14.	3.3	94
11	Ferritin as a reporter gene for in vivo tracking of stem cells by 1.5-T cardiac MRI in a rat model of myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2238-H2250.	1.5	71
12	Cardiosphere-Derived Cells Improve Function in the Infarcted Rat Heart for at Least 16 Weeks â€“ an MRI Study. PLoS ONE, 2011, 6, e25669.	1.1	70
13	EMT/MET at the Crossroad of Stemness, Regeneration and Oncogenesis: The Ying-Yang Equilibrium Recapitulated in Cell Spheroids. Cancers, 2017, 9, 98.	1.7	62
14	Human cardiosphere-seeded gelatin and collagen scaffolds as cardiogenic engineered bioconstructs. Biomaterials, 2011, 32, 9271-9281.	5.7	59
15	Isolation and Expansion of Adult Cardiac Stem/Progenitor Cells in the Form of Cardiospheres from Human Cardiac Biopsies and Murine Hearts. Methods in Molecular Biology, 2012, 879, 327-338.	0.4	57
16	When Stiffness Matters: Mechanosensing in Heart Development and Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 334.	1.8	50
17	Stem cells in the heart: What's the buzz all about? Part 2: Arrhythmic risks and clinical studies. Heart Rhythm, 2008, 5, 880-887.	0.3	49
18	Stem cells in the heart: What's the buzz all about?â€”Part 1: Preclinical considerations. Heart Rhythm, 2008, 5, 749-757.	0.3	44

#	Article	IF	Citations
19	Automated Segmentation of Fluorescence Microscopy Images for 3D Cell Detection in human-derived Cardiospheres. Scientific Reports, 2019, 9, 6644.	1.6	44
20	Serum and supplement optimization for <scp>EU GMP</scp>â€compliance in cardiospheres cell culture. Journal of Cellular and Molecular Medicine, 2014, 18, 624-634.	1.6	41
21	Guanine nucleotide depletion triggers cell cycle arrest and apoptosis in human neuroblastoma cell lines. International Journal of Cancer, 2004, 108, 812-817.	2.3	34
22	Ion Cyclotron Resonance as a Tool in Regenerative Medicine. Electromagnetic Biology and Medicine, 2008, 27, 127-133.	0.7	34
23	TGFÎ²-Dependent Epithelial-to-Mesenchymal Transition Is Required to Generate Cardiospheres from Human Adult Heart Biopsies. Stem Cells and Development, 2012, 21, 3081-3090.	1.1	34
24	Different types of cultured human adult Cardiac Progenitor Cells have a high degree of transcriptome similarity. Journal of Cellular and Molecular Medicine, 2014, 18, 2147-2151.	1.6	34
25	Curcumin induces apoptosis in human neuroblastoma cells via inhibition of AKT and Foxo3a nuclear translocation. Free Radical Research, 2014, 48, 1397-1408.	1.5	32
26	Cardiospheres and tissue engineering for myocardial regeneration: potential for clinical application. Journal of Cellular and Molecular Medicine, 2010, 14, no-no.	1.6	30
27	Stem Cell Spheroids and Ex Vivo Niche Modeling: Rationalization and Scaling-Up. Journal of Cardiovascular Translational Research, 2017, 10, 150-166.	1.1	30
28	Cardiac Cell Therapy: The Next (Re)Generation. Stem Cell Reviews and Reports, 2011, 7, 1018-1030.	5.6	28
29	Guanine nucleotide depletion induces differentiation and aberrant neurite outgrowth in human dopaminergic neuroblastoma lines: a model for basal ganglia dysfunction in Leschâ€“Nyhan disease. Neuroscience Letters, 2005, 375, 97-100.	1.0	26
30	New Perspectives to Repair a Broken Heart. Cardiovascular and Hematological Agents in Medicinal Chemistry, 2009, 7, 91-107.	0.4	26
31	Bone marrowâ€derived cells can acquire cardiac stem cells properties in damaged heart. Journal of Cellular and Molecular Medicine, 2011, 15, 63-71.	1.6	26
32	Cardiac Mechanoperception: A Life-Long Story from Early Beats to Aging and Failure. Stem Cells and Development, 2017, 26, 77-90.	1.1	26
33	Foetal bovine serum-derived exosomes affect yield and phenotype of human cardiac progenitor cell culture. BioImpacts, 2016, 6, 15-24.	0.7	26
34	Reduction of Cardiac Fibrosis by Interference With YAP-Dependent Transactivation. Circulation Research, 2022, 131, 239-257.	2.0	26
35	Diabetic Cardiomyopathy. Circulation Research, 2006, 99, 1-2.	2.0	23
36	Human Lung Spheroids as In Vitro Niches of Lung Progenitor Cells with Distinctive Paracrine and Plasticity Properties. Stem Cells Translational Medicine, 2017, 6, 767-777.	1.6	23

#	Article	IF	Citations
37	From Ontogenesis to Regeneration. Progress in Molecular Biology and Translational Science, 2012, 111, 109-137.	0.9	22
38	Caffeine-induced Ca2+ signaling as an index of cardiac progenitor cells differentiation. Basic Research in Cardiology, 2010, 105, 737-749.	2.5	20
39	Normal versus Pathological Cardiac Fibroblast-Derived Extracellular Matrix Differentially Modulates Cardiosphere-Derived Cell Paracrine Properties and Commitment. Stem Cells International, 2017, 2017, 1-9.	1.2	19
40	Building an Artificial Cardiac Microenvironment: A Focus on the Extracellular Matrix. Frontiers in Cell and Developmental Biology, 2020, 8, 559032.	1.8	19
41	Different pattern of matrix metalloproteinases expression in alveolar versus embryonal rhabdomyosarcoma. Journal of Pediatric Surgery, 2004, 39, 1673-1679.	0.8	16
42	The Microenvironment of Decellularized Extracellular Matrix from Heart Failure Myocardium Alters the Balance between Angiogenic and Fibrotic Signals from Stromal Primitive Cells. International Journal of Molecular Sciences, 2020, 21, 7903.	1.8	16
43	Analysis of Pregnancy-Associated Plasma Protein A Production in Human Adult Cardiac Progenitor Cells. BioMed Research International, 2013, 2013, 1-8.	0.9	15
44	Isolation and Expansion of Cardiosphereâ€Derived Stem Cells. Current Protocols in Stem Cell Biology, 2011, 16, 2C.3.1.	3.0	12
45	Exosomes isolation protocols facts and artifacts for cardiac regeneration. Frontiers in Bioscience - Scholar, 2016, 8, 303-311.	0.8	11
46	Potential Role of Mycophenolate Mofetil in the Management of Neuroblastoma Patients. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1545-1549.	0.4	9
47	A spectrophotometric assay for phosphoribosylpyrophosphate synthetase. Analytical Biochemistry, 1978, 89, 355-359.	1.1	8
48	Low levels of mycophenolic acid induce differentiation of human neuroblastoma cell lines. International Journal of Cancer, 2004, 112, 352-354.	2.3	8
49	c-kit cardiac progenitor cells: What is their potential?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E78; author reply E79.	3.3	8
50	A discrete in continuous mathematical model of cardiac progenitor cells formation and growth as spheroid clusters (Cardiospheres). Mathematical Medicine and Biology, 2017, 35, dqw022.	0.8	8
51	Biochemistry and biology: Heart-to-heart to investigate cardiac progenitor cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2459-2469.	1.1	7
52	Spheroid three-dimensional culture enhances Notch signaling in cardiac progenitor cells. MRS Communications, 2017, 7, 496-501.	0.8	6
53	A spectrophotometric method for the determination of 5-phosphoribosyl-1-pyrophosphate. Experientia, 1979, 35, 1016-1017.	1.2	5
54	Cyclic Nucleotides and Neuroblastoma Differentiation. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 1551-1554.	0.4	4

#	Article	IF	Citations
55	Abstract 696: Cardiosphere-derived Cells Engraft Long-term in Infarcted Mice and Preserve Left Ventricular Function. Circulation, 2007, 116, .	1.6	2
56	Endogenous Cardiac Stem Cells. , 2007, , 83-100.		1
57	Surfactant Protein A-Producing Cells in Human Fetal Lung Are Good Targets for Recombinant Adenovirus-Mediated Gene Transfer. Pediatric Research, 1996, 40, 142-147.	1.1	1
58	Effects of Exercise on Arrhythmia (and Viceversa): Lesson from the Greek Mythology. Advances in Experimental Medicine and Biology, 2017, 1000, 85-93.	0.8	0
59	Evidence for the Existence of Resident Cardiac Stem Cells. , 2011, , 131-147.		0