

Lucio Barile

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

5,405
citations

147801

31
h-index

98798

67
g-index

81
all docs

81
docs citations

81
times ranked

6922
citing authors

#	ARTICLE	IF	CITATIONS
1	Regenerative Potential of Cardiosphere-Derived Cells Expanded From Percutaneous Endomyocardial Biopsy Specimens. <i>Circulation</i> , 2007, 115, 896-908.	1.6	1,074
2	Exosomes: Therapy delivery tools and biomarkers of diseases. , 2017, 174, 63-78.		761
3	Extracellular vesicles from human cardiac progenitor cells inhibit cardiomyocyte apoptosis and improve cardiac function after myocardial infarction. <i>Cardiovascular Research</i> , 2014, 103, 530-541.	3.8	601
4	Endogenous Cardiac Stem Cells. <i>Progress in Cardiovascular Diseases</i> , 2007, 50, 31-48.	3.1	229
5	Roles of exosomes in cardioprotection. <i>European Heart Journal</i> , 2017, 38, ehw304.	2.2	213
6	Cardioprotection by cardiac progenitor cell-secreted exosomes: role of pregnancy-associated plasma protein-A. <i>Cardiovascular Research</i> , 2018, 114, 992-1005.	3.8	178
7	Exosomes From Human Cardiac Progenitor Cells for Therapeutic Applications: Development of a GMP-Grade Manufacturing Method. <i>Frontiers in Physiology</i> , 2018, 9, 1169.	2.8	133
8	Mitochondrial and mitochondrial-independent pathways of myocardial cell death during ischaemia and reperfusion injury. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3795-3806.	3.6	118
9	Circulating blood cells and extracellular vesicles in acute cardioprotection. <i>Cardiovascular Research</i> , 2019, 115, 1156-1166.	3.8	106
10	Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. <i>Cardiovascular Research</i> , 2009, 82, 411-420.	3.8	104
11	First Characterization of Human Amniotic Fluid Stem Cell Extracellular Vesicles as a Powerful Paracrine Tool Endowed with Regenerative Potential. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1340-1355.	3.3	104
12	Cardiac stem cells: isolation, expansion and experimental use for myocardial regeneration. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007, 4, S9-S14.	3.3	94
13	Exosomes for Intramyocardial Intercellular Communication. <i>Stem Cells International</i> , 2015, 2015, 1-10.	2.5	92
14	Intravenous administration of cardiac progenitor cell-derived exosomes protects against doxorubicin/trastuzumab-induced cardiac toxicity. <i>Cardiovascular Research</i> , 2020, 116, 383-392.	3.8	91
15	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. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H2238-H2250.	3.2	71
16	Ultrastructural Evidence of Exosome Secretion by Progenitor Cells in Adult Mouse Myocardium and Adult Human Cardiospheres. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-10.	3.0	70
17	Exosomal Expression of CXCR4 Targets Cardioprotective Vesicles to Myocardial Infarction and Improves Outcome after Systemic Administration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 468.	4.1	68
18	Beneficial effects of exosomes secreted by cardiac-derived progenitor cells and other cell types in myocardial ischemia. <i>Stem Cell Investigation</i> , 2017, 4, 93-93.	3.0	63

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19	Circulating extracellular vesicles are endowed with enhanced procoagulant activity in SARS-CoV-2 infection. <i>EBioMedicine</i> , 2021, 67, 103369.	6.1	61
20	Isolation and Expansion of Adult Cardiac Stem/Progenitor Cells in the Form of Cardiospheres from Human Cardiac Biopsies and Murine Hearts. <i>Methods in Molecular Biology</i> , 2012, 879, 327-338.	0.9	57
21	Reactivating endogenous mechanisms of cardiac regeneration via paracrine boosting using the human amniotic fluid stem cell secretome. <i>International Journal of Cardiology</i> , 2019, 287, 87-95.	1.7	57
22	Circulating extracellular vesicles as non-invasive biomarker of rejection in heart transplant. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1136-1148.	0.6	54
23	A Brugada syndrome mutation (p.S216L) and its modulation by p.H558R polymorphism: standard and dynamic characterization. <i>Cardiovascular Research</i> , 2011, 91, 606-616.	3.8	50
24	Stem cells in the heart: What's the buzz all about? Part 2: Arrhythmic risks and clinical studies. <i>Heart Rhythm</i> , 2008, 5, 880-887.	0.7	49
25	Immune profiling of plasma-derived extracellular vesicles identifies Parkinson disease. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2020, 7, .	6.0	45
26	Stem cells in the heart: What's the buzz all about? Part 1: Preclinical considerations. <i>Heart Rhythm</i> , 2008, 5, 749-757.	0.7	44
27	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies: from exosomes to microvesicles. <i>Cardiovascular Research</i> , 2023, 119, 45-63.	3.8	44
28	Ranolazine prevents INaL enhancement and blunts myocardial remodelling in a model of pulmonary hypertension. <i>Cardiovascular Research</i> , 2014, 104, 37-48.	3.8	42
29	Sphingolipid composition of circulating extracellular vesicles after myocardial ischemia. <i>Scientific Reports</i> , 2020, 10, 16182.	3.3	40
30	Inflammatory extracellular vesicles prompt heart dysfunction via TLR4-dependent NF- κ B activation. <i>Theranostics</i> , 2020, 10, 2773-2790.	10.0	39
31	Ticagrelor Enhances Release of Anti-Hypoxic Cardiac Progenitor Cell-Derived Exosomes Through Increasing Cell Proliferation In Vitro. <i>Scientific Reports</i> , 2020, 10, 2494.	3.3	37
32	Human Cardiospheres as a Source of Multipotent Stem and Progenitor Cells. <i>Stem Cells International</i> , 2013, 2013, 1-10.	2.5	35
33	Ion Cyclotron Resonance as a Tool in Regenerative Medicine. <i>Electromagnetic Biology and Medicine</i> , 2008, 27, 127-133.	1.4	34
34	Combination of miRNA499 and miRNA133 Exerts a Synergic Effect on Cardiac Differentiation. <i>Stem Cells</i> , 2015, 33, 1187-1199.	3.2	31
35	Cardiospheres and tissue engineering for myocardial regeneration: potential for clinical application. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, no-no.	3.6	30
36	Role of somatic cell sources in the maturation degree of human induced pluripotent stem cell-derived cardiomyocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118538.	4.1	29

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37	Cardiac Cell Therapy: The Next (Re)Generation. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 1018-1030.	5.6	28
38	An extracellular vesicle epitope profile is associated with acute myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 9945-9957.	3.6	27
39	New Perspectives to Repair a Broken Heart. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2009, 7, 91-107.	1.0	26
40	Bone marrow-derived cells can acquire cardiac stem cells properties in damaged heart. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 63-71.	3.6	26
41	Caffeine-induced Ca ²⁺ signaling as an index of cardiac progenitor cells differentiation. <i>Basic Research in Cardiology</i> , 2010, 105, 737-749.	5.9	20
42	Insights into therapeutic products, preclinical research models, and clinical trials in cardiac regenerative and reparative medicine: where are we now and the way ahead. Current opinion paper of the ESC Working Group on Cardiovascular Regenerative and Reparative Medicine. <i>Cardiovascular Research</i> , 2021, 117, 1428-1433.	3.8	20
43	ALDH1A3 Is the Key Isoform That Contributes to Aldehyde Dehydrogenase Activity and Affects in Vitro Proliferation in Cardiac Atrial Appendage Progenitor Cells. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 90.	2.4	19
44	An exosomal-carried short periostin isoform induces cardiomyocyte proliferation. <i>Theranostics</i> , 2021, 11, 5634-5649.	10.0	19
45	Message in a Bottle: Upgrading Cardiac Repair into Rejuvenation. <i>Cells</i> , 2020, 9, 724.	4.1	18
46	Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. <i>Communications Biology</i> , 2021, 4, 119.	4.4	18
47	Perioperative cardioprotection: back to bedside. <i>Minerva Anestesiologica</i> , 2020, 86, 445-454.	1.0	15
48	Supporting data on in vitro cardioprotective and proliferative paracrine effects by the human amniotic fluid stem cell secretome. <i>Data in Brief</i> , 2019, 25, 104324.	1.0	14
49	Characterization of Circulating Extracellular Vesicle Surface Antigens in Patients With Primary Aldosteronism. <i>Hypertension</i> , 2021, 78, 726-737.	2.7	14
50	Cardiac Graft Assessment in the Era of Machine Perfusion: Current and Future Biomarkers. <i>Journal of the American Heart Association</i> , 2021, 10, e018966.	3.7	13
51	Human Induced Pluripotent Stem Cells Derived from a Cardiac Somatic Source: Insights for an In-Vitro Cardiomyocyte Platform. <i>International Journal of Molecular Sciences</i> , 2020, 21, 507.	4.1	12
52	Profiling Inflammatory Extracellular Vesicles in Plasma and Cerebrospinal Fluid: An Optimized Diagnostic Model for Parkinson's Disease. <i>Biomedicines</i> , 2021, 9, 230.	3.2	12
53	Extracellular Vesicle Surface Markers as a Diagnostic Tool in Transient Ischemic Attacks. <i>Stroke</i> , 2021, 52, 3335-3347.	2.0	12
54	Prometheus's heart: what lies beneath. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 228-236.	3.6	11

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55	A Changing Paradigm in Heart Transplantation: An Integrative Approach for Invasive and Non-Invasive Allograft Rejection Monitoring. <i>Biomolecules</i> , 2021, 11, 201.	4.0	11
56	GMP-Grade Methods for Cardiac Progenitor Cells: Cell Bank Production and Quality Control. <i>Methods in Molecular Biology</i> , 2020, 2286, 131-166.	0.9	11
57	Risk stratification of patients with SARS-CoV-2 by tissue factor expression in circulating extracellular vesicles. <i>Vascular Pharmacology</i> , 2022, 145, 106999.	2.1	11
58	Flow Cytometric Analysis of Extracellular Vesicles from Cell-conditioned Media. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	10
59	Structural and Electrophysiological Changes in a Model of Cardiotoxicity Induced by Anthracycline Combined With Trastuzumab. <i>Frontiers in Physiology</i> , 2021, 12, 658790.	2.8	10
60	De novo DNA methylation induced by circulating extracellular vesicles from acute coronary syndrome patients. <i>Atherosclerosis</i> , 2022, 354, 41-52.	0.8	10
61	Potential Role of Mycophenolate Mofetil in the Management of Neuroblastoma Patients. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1545-1549.	1.1	9
62	Low levels of mycophenolic acid induce differentiation of human neuroblastoma cell lines. <i>International Journal of Cancer</i> , 2004, 112, 352-354.	5.1	8
63	c-kit cardiac progenitor cells: What is their potential?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, E78; author reply E79.	7.1	8
64	OUP accepted manuscript. <i>Europace</i> , 2016, 18, iv67-iv76.	1.7	8
65	Epigenetic Regulation of Myocardial Homeostasis, Self-Regeneration and Senescence. <i>Current Drug Targets</i> , 2015, 16, 827-842.	2.1	8
66	Supervised and unsupervised learning to define the cardiovascular risk of patients according to an extracellular vesicle molecular signature. <i>Translational Research</i> , 2022, , .	5.0	8
67	Notch pathway activation enhances cardiosphere in vitro expansion. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5583-5595.	3.6	7
68	Cyclic Nucleotides and Neuroblastoma Differentiation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1551-1554.	1.1	4
69	Altered functional differentiation of mesoangioblasts in a genetic myopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 419-428.	3.6	3
70	Induced pluripotent stem cells: progress towards a biomedical application. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 1265-1269.	1.5	2
71	The swan song of dying cells. <i>Cardiovascular Research</i> , 2020, 116, e90-e92.	3.8	2
72	Cardiac stem cells can be generated in damaged heart from bone marrow-derived cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S100.	1.9	1

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73	Induced Pluripotent Stem (IPS) Cells to Assess the Cardioprotective and Proangiogenic Activities of Exosomes Secreted by Human Cardiac Progenitor Cells. <i>Biophysical Journal</i> , 2016, 110, 595a-596a.	0.5	1
74	Investigating the Paracrine Role of Perinatal Derivatives: Human Amniotic Fluid Stem Cell-Extracellular Vesicles Show Promising Transient Potential for Cardiomyocyte Renewal. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	1
75	Extremely low frequency magnetic field induces differentiation of the human cardiac stem cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S91.	1.9	0
76	Aberrant Functional Differentiation of Cardiac Precursors from a Dystrophic Mouse. <i>Biophysical Journal</i> , 2012, 102, 674a.	0.5	0
77	Prevention of Myocardial Remodeling by Chronic INaL Blockade in Pulmonary Hypertension. <i>Biophysical Journal</i> , 2012, 102, 340a.	0.5	0
78	EXODEVICE: Continuous Perfusion Large Scale Exosome Cultivation Bioreactor. , 2019, , .		0
79	Evidence for the Existence of Resident Cardiac Stem Cells. , 2011, , 131-147.		0
80	Good reasons for targeting SARS-CoV-2 by engineered extracellular vesicles. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 25, 41-42.	4.1	0