

Lucio Barile

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	3,994 citations	26 h-index	63 g-index
81 ext. papers	4,754 ext. citations	6 avg, IF	5.76 L-index

#	Paper	IF	Citations
71	Regenerative potential of cardiosphere-derived cells expanded from percutaneous endomyocardial biopsy specimens. <i>Circulation</i> , 2007 , 115, 896-908	16.7	967
70	Exosomes: Therapy delivery tools and biomarkers of diseases. <i>Pharmacology & Therapeutics</i> , 2017 , 174, 63-78	13.9	524
69	Extracellular vesicles from human cardiac progenitor cells inhibit cardiomyocyte apoptosis and improve cardiac function after myocardial infarction. <i>Cardiovascular Research</i> , 2014 , 103, 530-41	9.9	482
68	Endogenous cardiac stem cells. <i>Progress in Cardiovascular Diseases</i> , 2007 , 50, 31-48	8.5	205
67	Roles of exosomes in cardioprotection. <i>European Heart Journal</i> , 2017 , 38, 1372-1379	9.5	144
66	Cardioprotection by cardiac progenitor cell-secreted exosomes: role of pregnancy-associated plasma protein-A. <i>Cardiovascular Research</i> , 2018 , 114, 992-1005	9.9	108
65	Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. <i>Cardiovascular Research</i> , 2009 , 82, 411-20	9.9	95
64	Cardiac stem cells: isolation, expansion and experimental use for myocardial regeneration. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4 Suppl 1, S9-S14		87
63	Exosomes From Human Cardiac Progenitor Cells for Therapeutic Applications: Development of a GMP-Grade Manufacturing Method. <i>Frontiers in Physiology</i> , 2018 , 9, 1169	4.6	81
62	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, 1340-1353	6.9	73
61	Exosomes for Intramyocardial Intercellular Communication. <i>Stem Cells International</i> , 2015 , 2015, 4821715		72
60	Circulating blood cells and extracellular vesicles in acute cardioprotection. <i>Cardiovascular Research</i> , 2019 , 115, 1156-1166	9.9	67
59	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, H2238-50	5.2	65
58	Intravenous administration of cardiac progenitor cell-derived exosomes protects against doxorubicin/trastuzumab-induced cardiac toxicity. <i>Cardiovascular Research</i> , 2020 , 116, 383-392	9.9	57
57	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	5.6	56
56	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, 354605		54
55	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, 327-38	1.4	52

54	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,	6.3	46
53	Stem cells in the heart: what's the buzz all about? Part 2: Arrhythmic risks and clinical studies. <i>Heart Rhythm</i> , 2008 , 5, 880-7	6.7	46
52	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	5.1	43
51	A Brugada syndrome mutation (p.S216L) and its modulation by p.H558R polymorphism: standard and dynamic characterization. <i>Cardiovascular Research</i> , 2011 , 91, 606-16	9.9	41
50	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	3.2	39
49	Stem cells in the heart: what's the buzz all about?--Part 1: preclinical considerations. <i>Heart Rhythm</i> , 2008 , 5, 749-57	6.7	37
48	Ranolazine prevents INaL enhancement and blunts myocardial remodelling in a model of pulmonary hypertension. <i>Cardiovascular Research</i> , 2014 , 104, 37-48	9.9	35
47	Ion cyclotron resonance as a tool in regenerative medicine. <i>Electromagnetic Biology and Medicine</i> , 2008 , 27, 127-33	2.2	33
46	Human cardiospheres as a source of multipotent stem and progenitor cells. <i>Stem Cells International</i> , 2013 , 2013, 916837	5	26
45	Cardiac cell therapy: the next (re)generation. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 1018-30	6.4	26
44	Cardiospheres and tissue engineering for myocardial regeneration: potential for clinical application. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 1071-7	5.6	26
43	Circulating extracellular vesicles as non-invasive biomarker of rejection in heart transplant. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 1136-1148	5.8	26
42	Combination of miRNA499 and miRNA133 exerts a synergic effect on cardiac differentiation. <i>Stem Cells</i> , 2015 , 33, 1187-99	5.8	25
41	New perspectives to repair a broken heart. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2009 , 7, 91-107	1.9	25
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	5.6	23
39	Circulating extracellular vesicles are endowed with enhanced procoagulant activity in SARS-CoV-2 infection. <i>EBioMedicine</i> , 2021 , 67, 103369	8.8	23
38	Inflammatory extracellular vesicles prompt heart dysfunction via TLR4-dependent NF- κ B activation. <i>Theranostics</i> , 2020 , 10, 2773-2790	12.1	22
37	Ticagrelor Enhances Release of Anti-Hypoxic Cardiac Progenitor Cell-Derived Exosomes Through Increasing Cell Proliferation In Vitro. <i>Scientific Reports</i> , 2020 , 10, 2494	4.9	21

36	Sphingolipid composition of circulating extracellular vesicles after myocardial ischemia. <i>Scientific Reports</i> , 2020 , 10, 16182	4.9	21
35	Caffeine-induced Ca(2+) signaling as an index of cardiac progenitor cells differentiation. <i>Basic Research in Cardiology</i> , 2010 , 105, 737-49	11.8	20
34	An extracellular vesicle epitope profile is associated with acute myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 9945-9957	5.6	18
33	Immune profiling of plasma-derived extracellular vesicles identifies Parkinson disease. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	17
32	Message in a Bottle: Upgrading Cardiac Repair into Rejuvenation. <i>Cells</i> , 2020 , 9,	7.9	14
31	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	4.9	12
30	Perioperative cardioprotection: back to bedside. <i>Minerva Anestesiologica</i> , 2020 , 86, 445-454	1.9	11
29	ALDH1A3 Is the Key Isoform That Contributes to Aldehyde Dehydrogenase Activity and Affects Proliferation in Cardiac Atrial Appendage Progenitor Cells. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 90	5.4	11
28	Prometheus's heart: what lies beneath. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 228-36	5.6	10
27	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	1.2	9
26	Potential role of mycophenolate mofetil in the management of neuroblastoma patients. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004 , 23, 1545-9	1.4	8
25	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	11.5	7
24	Low levels of mycophenolic acid induce differentiation of human neuroblastoma cell lines. <i>International Journal of Cancer</i> , 2004 , 112, 352-4	7.5	7
23	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, 1426-1433	9.9	7
22	Flow Cytometric Analysis of Extracellular Vesicles from Cell-conditioned Media. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	6
21	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,	6.3	6
20	Human-induced pluripotent stem cell-derived cardiomyocytes from cardiac progenitor cells: effects of selective ion channel blockade. <i>Europace</i> , 2016 , 18, iv67-iv76	3.9	5
19	An exosomal-carried short periostin isoform induces cardiomyocyte proliferation. <i>Theranostics</i> , 2021 , 11, 5634-5649	12.1	5

18	Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. <i>Communications Biology</i> , 2021 , 4, 119	6.7	5
17	Characterization of Circulating Extracellular Vesicle Surface Antigens in Patients With Primary Aldosteronism. <i>Hypertension</i> , 2021 , 78, 726-737	8.5	5
16	Epigenetic Regulation of Myocardial Homeostasis, Self-Regeneration and Senescence. <i>Current Drug Targets</i> , 2015 , 16, 827-42	3	4
15	A Changing Paradigm in Heart Transplantation: An Integrative Approach for Invasive and Non-Invasive Allograft Rejection Monitoring. <i>Biomolecules</i> , 2021 , 11,	5.9	4
14	Cardiac Graft Assessment in the Era of Machine Perfusion: Current and Future Biomarkers. <i>Journal of the American Heart Association</i> , 2021 , 10, e018966	6	4
13	Notch pathway activation enhances cardiosphere in vitro expansion. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 5583-5595	5.6	4
12	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies - from exosomes to microvesicles.. <i>Cardiovascular Research</i> , 2022 ,	9.9	4
11	Altered functional differentiation of mesoangioblasts in a genetic myopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2013 , 17, 419-28	5.6	3
10	Cyclic nucleotides and neuroblastoma differentiation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004 , 23, 1551-4	1.4	3
9	Supervised and unsupervised learning to define the cardiovascular risk of patients according to an extracellular vesicle molecular signature.. <i>Translational Research</i> , 2022 ,	11	3
8	Induced pluripotent stem cells: progress towards a biomedical application. <i>Expert Review of Cardiovascular Therapy</i> , 2011 , 9, 1265-9	2.5	2
7	Extracellular Vesicle Surface Markers as a Diagnostic Tool in Transient Ischemic Attacks. <i>Stroke</i> , 2021 , 52, 3335-3347	6.7	2
6	GMP-Grade Methods for Cardiac Progenitor Cells: Cell Bank Production and Quality Control. <i>Methods in Molecular Biology</i> , 2021 , 2286, 131-166	1.4	1
5	Profiling Inflammatory Extracellular Vesicles in Plasma and Cerebrospinal Fluid: An Optimized Diagnostic Model for Parkinson's Disease. <i>Biomedicines</i> , 2021 , 9,	4.8	1
4	Risk stratification of patients with SARS-CoV-2 by tissue factor expression in circulating extracellular vesicles. <i>Vascular Pharmacology</i> , 2022 , 145, 106999	5.9	1
3	Structural and Electrophysiological Changes in a Model of Cardiotoxicity Induced by Anthracycline Combined With Trastuzumab. <i>Frontiers in Physiology</i> , 2021 , 12, 658790	4.6	0
2	Evidence for the Existence of Resident Cardiac Stem Cells 2011 , 131-147		
1	The swan song of dying cells. <i>Cardiovascular Research</i> , 2020 , 116, e90-e92	9.9	

