# Lucio Barile

## List of Publications by Year in Descending Order



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| 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 | Supervised and unsupervised learning to define the cardiovascular risk of patients according to an extracellular vesicle molecular signature.. *Translational Research*, **2022**, | 11 | 3 |
| 70 | Methods for the identification and characterization of extracellular vesicles in cardiovascular studies - from exosomes to microvesicles.. *Cardiovascular Research*, **2022**, | 9.9 | 4 |
| 69 | Risk stratification of patients with SARS-CoV-2 by tissue factor expression in circulating extracellular vesicles. *Vascular Pharmacology*, **2022**, 145, 106999 | 5.9 | 1 |
| 68 | GMP-Grade Methods for Cardiac Progenitor Cells: Cell Bank Production and Quality Control. *Methods in Molecular Biology*, **2021**, 2286, 131-166 | 1.4 | 1 |
| 67 | Structural and Electrophysiological Changes in a Model of Cardiotoxicity Induced by Anthracycline Combined With Trastuzumab. *Frontiers in Physiology*, **2021**, 12, 658790 | 4.6 | 0 |
| 66 | Circulating extracellular vesicles are endowed with enhanced procoagulant activity in SARS-CoV-2 infection. *EBioMedicine*, **2021**, 67, 103369 | 8.8 | 23 |
| 65 | 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. *Cardiovascular Research*, **2021**, 117, 1428-1433 | 9.9 | 7 |
| 64 | An exosomal-carried short periostin isoform induces cardiomyocyte proliferation. *Theranostics*, **2021**, 11, 5634-5649 | 12.1 | 5 |
| 63 | Circulating extracellular vesicles release oncogenic miR-424 in experimental models and patients with aggressive prostate cancer. *Communications Biology*, **2021**, 4, 119 | 6.7 | 5 |
| 62 | A Changing Paradigm in Heart Transplantation: An Integrative Approach for Invasive and Non-Invasive Allograft Rejection Monitoring. *Biomolecules*, **2021**, 11, | 5.9 | 4 |
| 61 | Cardiac Graft Assessment in the Era of Machine Perfusion: Current and Future Biomarkers. *Journal of the American Heart Association*, **2021**, 10, e018966 | 6 | 4 |
| 60 | Profiling Inflammatory Extracellular Vesicles in Plasma and Cerebrospinal Fluid: An Optimized Diagnostic Model for Parkinson's Disease. *Biomedicines*, **2021**, 9, | 4.8 | 1 |
| 59 | Characterization of Circulating Extracellular Vesicle Surface Antigens in Patients With Primary Aldosteronism. *Hypertension*, **2021**, 78, 726-737 | 8.5 | 5 |
| 58 | Extracellular Vesicle Surface Markers as a Diagnostic Tool in Transient Ischemic Attacks. *Stroke*, **2021**, 52, 3335-3347 | 6.7 | 2 |
| 57 | Intravenous administration of cardiac progenitor cell-derived exosomes protects against doxorubicin/trastuzumab-induced cardiac toxicity. *Cardiovascular Research*, **2020**, 116, 383-392 | 9.9 | 57 |
| 56 | Mitochondrial and mitochondrial-independent pathways of myocardial cell death during ischaemia and reperfusion injury. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 3795-3806 | 5.6 | 56 |
| 55 | Message in a Bottle: Upgrading Cardiac Repair into Rejuvenation. *Cells*, **2020**, 9, | 7.9 | 14 |

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| 54 | Inflammatory extracellular vesicles prompt heart dysfunction via TRL4-dependent NF-B activation. *Theranostics*, **2020**, 10, 2773-2790 | 12.1 | 22 |
| 53 | Ticagrelor Enhances Release of Anti-Hypoxic Cardiac Progenitor Cell-Derived Exosomes Through Increasing Cell Proliferation In Vitro. *Scientific Reports*, **2020**, 10, 2494 | 4.9 | 21 |
| 52 | Human Induced Pluripotent Stem Cells Derived from a Cardiac Somatic Source: Insights for an In-Vitro Cardiomyocyte Platform. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 6 |
| 51 | Perioperative cardioprotection: back to bedside. *Minerva Anestesiologica*, **2020**, 86, 445-454 | 1.9 | 11 |
| 50 | Sphingolipid composition of circulating extracellular vesicles after myocardial ischemia. *Scientific Reports*, **2020**, 10, 16182 | 4.9 | 21 |
| 49 | An extracellular vesicle epitope profile is associated with acute myocardial infarction. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 9945-9957 | 5.6 | 18 |
| 48 | Circulating extracellular vesicles as non-invasive biomarker of rejection in heart transplant. *Journal of Heart and Lung Transplantation*, **2020**, 39, 1136-1148 | 5.8 | 26 |
| 47 | The swan song of dying cells. *Cardiovascular Research*, **2020**, 116, e90-e92 | 9.9 | |
| 46 | Immune profiling of plasma-derived extracellular vesicles identifies Parkinson disease. *Neurology: Neuroimmunology and NeuroInflammation*, **2020**, 7, | 9.1 | 17 |
| 45 | Role of somatic cell sources in the maturation degree of human induced pluripotent stem cell-derived cardiomyocytes. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118538 | 4.9 | 12 |
| 44 | Exosomal Expression of CXCR4 Targets Cardioprotective Vesicles to Myocardial Infarction and Improves Outcome after Systemic Administration. *International Journal of Molecular Sciences*, **2019**, 20, | 6.3 | 46 |
| 43 | Flow Cytometric Analysis of Extracellular Vesicles from Cell-conditioned Media. *Journal of Visualized Experiments*, **2019**, | 1.6 | 6 |
| 42 | Reactivating endogenous mechanisms of cardiac regeneration via paracrine boosting using the human amniotic fluid stem cell secretome. *International Journal of Cardiology*, **2019**, 287, 87-95 | 3.2 | 39 |
| 41 | Supporting data on in vitro cardioprotective and proliferative paracrine effects by the human amniotic fluid stem cell secretome. *Data in Brief*, **2019**, 25, 104324 | 1.2 | 9 |
| 40 | Circulating blood cells and extracellular vesicles in acute cardioprotection. *Cardiovascular Research*, **2019**, 115, 1156-1166 | 9.9 | 67 |
| 39 | Cardioprotection by cardiac progenitor cell-secreted exosomes: role of pregnancy-associated plasma protein-A. *Cardiovascular Research*, **2018**, 114, 992-1005 | 9.9 | 108 |
| 38 | Exosomes From Human Cardiac Progenitor Cells for Therapeutic Applications: Development of a GMP-Grade Manufacturing Method. *Frontiers in Physiology*, **2018**, 9, 1169 | 4.6 | 81 |
| 37 | ALDH1A3 Is the Key Isoform That Contributes to Aldehyde Dehydrogenase Activity and Affects Proliferation in Cardiac Atrial Appendage Progenitor Cells. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 90 | 5.4 | 11 |

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| 36 | Notch pathway activation enhances cardiosphere in vitro expansion. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 5583-5595 | 5.6 | 4 |
| 35 | First Characterization of Human Amniotic Fluid Stem Cell Extracellular Vesicles as a Powerful Paracrine Tool Endowed with Regenerative Potential. *Stem Cells Translational Medicine*, **2017**, 6, 1340-1353 | 6.9 | 73 |
| 34 | Exosomes: Therapy delivery tools and biomarkers of diseases. *Pharmacology & Therapeutics*, **2017**, 174, 63-78 | 13.9 | 524 |
| 33 | Beneficial effects of exosomes secreted by cardiac-derived progenitor cells and other cell types in myocardial ischemia. *Stem Cell Investigation*, **2017**, 4, 93 | 5.1 | 43 |
| 32 | Roles of exosomes in cardioprotection. *European Heart Journal*, **2017**, 38, 1372-1379 | 9.5 | 144 |
| 31 | Human-induced pluripotent stem cell-derived cardiomyocytes from cardiac progenitor cells: effects of selective ion channel blockade. *Europace*, **2016**, 18, iv67-iv76 | 3.9 | 5 |
| 30 | Exosomes for Intramyocardial Intercellular Communication. *Stem Cells International*, **2015**, 2015, 482171 | 5 | 72 |
| 29 | Combination of miRNA499 and miRNA133 exerts a synergic effect on cardiac differentiation. *Stem Cells*, **2015**, 33, 1187-99 | 5.8 | 25 |
| 28 | Epigenetic Regulation of Myocardial Homeostasis, Self-Regeneration and Senescence. *Current Drug Targets*, **2015**, 16, 827-42 | 3 | 4 |
| 27 | Extracellular vesicles from human cardiac progenitor cells inhibit cardiomyocyte apoptosis and improve cardiac function after myocardial infarction. *Cardiovascular Research*, **2014**, 103, 530-41 | 9.9 | 482 |
| 26 | Ranolazine prevents INaL enhancement and blunts myocardial remodelling in a model of pulmonary hypertension. *Cardiovascular Research*, **2014**, 104, 37-48 | 9.9 | 35 |
| 25 | Altered functional differentiation of mesoangioblasts in a genetic myopathy. *Journal of Cellular and Molecular Medicine*, **2013**, 17, 419-28 | 5.6 | 3 |
| 24 | Human cardiospheres as a source of multipotent stem and progenitor cells. *Stem Cells International* , **2013**, 2013, 916837 | 5 | 26 |
| 23 | Prometheus's heart: what lies beneath. *Journal of Cellular and Molecular Medicine*, **2012**, 16, 228-36 | 5.6 | 10 |
| 22 | 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, 327-38 | 1.4 | 52 |
| 21 | Ultrastructural evidence of exosome secretion by progenitor cells in adult mouse myocardium and adult human cardiospheres. *Journal of Biomedicine and Biotechnology*, **2012**, 2012, 354605 | | 54 |
| 20 | Bone marrow-derived cells can acquire cardiac stem cells properties in damaged heart. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 63-71 | 5.6 | 23 |
| 19 | Cardiac cell therapy: the next (re)generation. *Stem Cell Reviews and Reports*, **2011**, 7, 1018-30 | 6.4 | 26 |

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|---|---|---|---|
| 18 | Induced pluripotent stem cells: progress towards a biomedical application. *Expert Review of Cardiovascular Therapy*, **2011**, 9, 1265-9 | 2.5 | 2 |
| 17 | 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, H2238-50 | 5.2 | 65 |
| 16 | A Brugada syndrome mutation (p.S216L) and its modulation by p.H558R polymorphism: standard and dynamic characterization. *Cardiovascular Research*, **2011**, 91, 606-16 | 9.9 | 41 |
| 15 | Evidence for the Existence of Resident Cardiac Stem Cells **2011**, 131-147 | | |
| 14 | Caffeine-induced Ca(2+) signaling as an index of cardiac progenitor cells differentiation. *Basic Research in Cardiology*, **2010**, 105, 737-49 | 11.8 | 20 |
| 13 | Cardiospheres and tissue engineering for myocardial regeneration: potential for clinical application. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 1071-7 | 5.6 | 26 |
| 12 | 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 | 11.5 | 7 |
| 11 | Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. *Cardiovascular Research*, **2009**, 82, 411-20 | 9.9 | 95 |
| 10 | New perspectives to repair a broken heart. *Cardiovascular and Hematological Agents in Medicinal Chemistry*, **2009**, 7, 91-107 | 1.9 | 25 |
| 9 | Stem cells in the heart: what's the buzz all about? Part 2: Arrhythmic risks and clinical studies. *Heart Rhythm*, **2008**, 5, 880-7 | 6.7 | 46 |
| 8 | Stem cells in the heart: what's the buzz all about?--Part 1: preclinical considerations. *Heart Rhythm*, **2008**, 5, 749-57 | 6.7 | 37 |
| 7 | Ion cyclotron resonance as a tool in regenerative medicine. *Electromagnetic Biology and Medicine*, **2008**, 27, 127-33 | 2.2 | 33 |
| 6 | Endogenous cardiac stem cells. *Progress in Cardiovascular Diseases*, **2007**, 50, 31-48 | 8.5 | 205 |
| 5 | Cardiac stem cells: isolation, expansion and experimental use for myocardial regeneration. *Nature Clinical Practice Cardiovascular Medicine*, **2007**, 4 Suppl 1, S9-S14 | | 87 |
| 4 | Regenerative potential of cardiosphere-derived cells expanded from percutaneous endomyocardial biopsy specimens. *Circulation*, **2007**, 115, 896-908 | 16.7 | 967 |
| 3 | Low levels of mycophenolic acid induce differentiation of human neuroblastoma cell lines. *International Journal of Cancer*, **2004**, 112, 352-4 | 7.5 | 7 |
| 2 | Potential role of mycophenolate mofetil in the management of neuroblastoma patients. *Nucleosides, Nucleotides and Nucleic Acids*, **2004**, 23, 1545-9 | 1.4 | 8 |
| 1 | Cyclic nucleotides and neuroblastoma differentiation. *Nucleosides, Nucleotides and Nucleic Acids*, **2004**, 23, 1551-4 | 1.4 | 3 |