# Reza Ardehali

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7812060/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 56 papers | 3,155 citations | 257450 24 h-index | 206112 48 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 5705 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An antibody against SSEA-5 glycan on human pluripotent stem cells enables removal of teratoma-forming cells. Nature Biotechnology, 2011, 29, 829-834. | 17.5 | 357 |
| 2 | Cardiovascular toxicities associated with immune checkpoint inhibitors. Cardiovascular Research, 2019, 115, 854-868. | 3.8 | 311 |
| 3 | Developmental Heterogeneity of Cardiac Fibroblasts Does Not Predict Pathological Proliferation and Activation. Circulation Research, 2014, 115, 625-635. | 4.5 | 258 |
| 4 | Existing cardiomyocytes generate cardiomyocytes at a low rate after birth in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8850-8855. | 7.1 | 219 |
| 5 | Endogenous Wnt signalling in human embryonic stem cells generates an equilibrium of distinct lineage-specified progenitors. Nature Communications, 2012, 3, 1070. | 12.8 | 171 |
| 6 | Endothelial Regeneration of Large Vessels Is a Biphasic Process Driven by Local Cells with Distinct Proliferative Capacities. Cell Stem Cell, 2018, 23, 210-225.e6. | 11.1 | 147 |
| 7 | Electrically conductive nanomaterials for cardiac tissue engineering. Advanced Drug Delivery Reviews, 2019, 144, 162-179. | 13.7 | 137 |
| 8 | Cardiac fibrosis: potential therapeutic targets. Translational Research, 2019, 209, 121-137. | 5.0 | 118 |
| 9 | Isolation of primitive endoderm, mesoderm, vascular endothelial and trophoblast progenitors from human pluripotent stem cells. Nature Biotechnology, 2012, 30, 531-542. | 17.5 | 102 |
| 10 | Human Embryonic Stem Cells Do Not Change Their X Inactivation Status during Differentiation. Cell Reports, 2017, 18, 54-67. | 6.4 | 100 |
| 11 | Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. Nature Communications, 2018, 9, 754. | 12.8 | 94 |
| 12 | Heart Regeneration by Endogenous Stem Cells and Cardiomyocyte Proliferation. Circulation, 2020, 142, 275-291. | 1.6 | 88 |
| 13 | Mapping human haematopoietic stem cells from haemogenic endothelium to birth. Nature, 2022, 604, 534-540. | 27.8 | 88 |
| 14 | Small extracellular vesicles containing miR-486-5p promote angiogenesis after myocardial infarction in mice and nonhuman primates. Science Translational Medicine, 2021, 13, . | 12.4 | 87 |
| 15 | Cardiac Light-Sheet Fluorescent Microscopy for Multi-Scale and Rapid Imaging of Architecture and Function. Scientific Reports, 2016, 6, 22489. | 3.3 | 64 |
| 16 | SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. Stem Cell Research, 2014, 13, 172-179. | 0.7 | 63 |
| 17 | Overexpression of BCL2 enhances survival of human embryonic stem cells during stress and obviates the requirement for serum factors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3282-3287. | 7.1 | 60 |
| 18 | Prospective isolation of human embryonic stem cell-derived cardiovascular progenitors that integrate into human fetal heart tissue. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3405-3410. | 7.1 | 57 |

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|---|---|---|---|
| 19 | Genetic Regulation of Fibroblast Activation and Proliferation in Cardiac Fibrosis. Circulation, 2018, 138, 1224-1235. | 1.6 | 56 |
| 20 | Cardiac manifestations of PRKAG2 mutation. BMC Medical Genetics, 2018, 19, 1. | 2.1 | 54 |
| 21 | Insights Into Aortic Sclerosis and Its Relationship With Coronary Artery Disease. Journal of the American Heart Association, 2014, 3, e001111. | 3.7 | 43 |
| 22 | Arrhythmia in Stem Cell Transplantation. Cardiac Electrophysiology Clinics, 2015, 7, 357-370. | 1.7 | 40 |
| 23 | Multiscale light-sheet for rapid imaging of cardiopulmonary system. JCI Insight, 2018, 3, . | 5.0 | 36 |
| 24 | Cell proliferation fate mapping reveals regional cardiomyocyte cell-cycle activity in subendocardial muscle of left ventricle. Nature Communications, 2021, 12, 5784. | 12.8 | 33 |
| 25 | CD13 and ROR2 Permit Isolation of Highly Enriched Cardiac Mesoderm from Differentiating Human Embryonic Stem Cells. Stem Cell Reports, 2016, 6, 95-108. | 4.8 | 30 |
| 26 | Recent Advances in Designing Electroconductive Biomaterials for Cardiac Tissue Engineering. Advanced Healthcare Materials, 2022, 11, e2200055. | 7.6 | 28 |
| 27 | Discovery of non-HLA antibodies associated with cardiac allograft rejection and development and validation of a non-HLA antigen multiplex panel: From bench to bedside. American Journal of Transplantation, 2020, 20, 2768-2780. | 4.7 | 26 |
| 28 | Cardiac Fibrosis Is Associated With Decreased Circulating Levels of Full-Length CILP in HeartÂFailure. JACC Basic To Translational Science, 2020, 5, 432-443. | 4.1 | 25 |
| 29 | Translational aspects of cardiac cell therapy. Journal of Cellular and Molecular Medicine, 2015, 19, 1757-1772. | 3.6 | 24 |
| 30 | Magnetic Resonance Imaging of Iron Oxide-Labeled Human Embryonic Stem Cell-Derived Cardiac Progenitors. Stem Cells Translational Medicine, 2016, 5, 67-74. | 3.3 | 23 |
| 31 | Biomarkers of Human Pluripotent Stem Cell-Derived Cardiac Lineages. Trends in Molecular Medicine, 2017, 23, 651-668. | 6.7 | 21 |
| 32 | Light-Sheet Imaging to Elucidate Cardiovascular Injury and Repair. Current Cardiology Reports, 2018, 20, 35. | 2.9 | 21 |
| 33 | The effect of angiotensin-converting enzyme inhibitors and statins on the progression of aortic sclerosis and mortality. Journal of Heart Valve Disease, 2012, 21, 337-43. | 0.5 | 20 |
| 34 | Direct Cardiac Reprogramming: Progress and Promise. Stem Cells International, 2018, 2018, 1-10. | 2.5 | 19 |
| 35 | Angiotensin Converting Enzyme Inhibitor and Angiotensin II Receptor Blocker Use Among Outpatients Diagnosed With COVID-19. American Journal of Cardiology, 2020, 132, 150-157. | 1.6 | 18 |
| 36 | Immunoengineering strategies to enhance vascularization and tissue regeneration. Advanced Drug Delivery Reviews, 2022, 184, 114233. | 13.7 | 18 |

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|---|---|---|---|
| 37 | Aortic intimal resident macrophages are essential for maintenance of the non-thrombogenic intravascular state. , 2022, 1, 67-84. | | 17 |
| 38 | Heart and Brain Pericytes Exhibit a Pro-Fibrotic Response After Vascular Injury. Circulation Research, 2021, 129, e141-e143. | 4.5 | 15 |
| 39 | Isolation and characterization of human embryonic stem cell-derived heart field-specific cardiomyocytes unravels new insights into their transcriptional and electrophysiological profiles. Cardiovascular Research, 2022, 118, 828-843. | 3.8 | 14 |
| 40 | Clinical phenomapping and outcomes after heart transplantation. Journal of Heart and Lung Transplantation, 2018, 37, 956-966. | 0.6 | 10 |
| 41 | Environmental factors influence somatic cell reprogramming to cardiomyocyte-like cells. Seminars in Cell and Developmental Biology, 2022, 122, 44-49. | 5.0 | 8 |
| 42 | Harnessing the versatility of PLGA nanoparticles for targeted Cre-mediated recombination. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 19, 106-114. | 3.3 | 6 |
| 43 | Transcriptional, Electrophysiological, and Metabolic Characterizations of hESC-Derived First and Second Heart Fields Demonstrate a Potential Role of TBX5 in Cardiomyocyte Maturation. Frontiers in Cell and Developmental Biology, 2021, 9, 787684. | 3.7 | 5 |
| 44 | Heart transplantation in the early phase of the COVIDâ€19 pandemic: A singleâ€center case series. Clinical Transplantation, 2020, 34, e14042. | 1.6 | 4 |
| 45 | Sendai virus based direct cardiac reprogramming: what lies ahead?. Stem Cell Investigation, 2018, 5, 37-37. | 3.0 | 3 |
| 46 | Generation of Nkx2â€5/CreER transgenic mice for inducible Cre expression in developing hearts. Genesis, 2017, 55, e23041. | 1.6 | 2 |
| 47 | Relapsing Polychondritis Requiring Orthotopic Heart Transplant Despite Coronary Artery Bypass and SurgicalÂAortic Valve Replacement. JACC: Case Reports, 2020, 2, 1527-1531. | 0.6 | 2 |
| 48 | In Vivo Clonal Analysis of Cardiomyocytes. Methods in Molecular Biology, 2021, 2158, 243-256. | 0.9 | 2 |
| 49 | In Vitro Generation of Heart Field Specific Cardiomyocytes. Methods in Molecular Biology, 2022, 2429, 257-267. | 0.9 | 2 |
| 50 | Validity of echocardiography for detection of left ventricular thrombus with surgical validation in patients awaiting durable left ventricular assist device. Journal of Cardiac Surgery, 2021, 36, 2722-2728. | 0.7 | 1 |
| 51 | Response to Letter Regarding Article, â€œStatin Use in Patients With Extremely Low Low-Density Lipoprotein Levels Is Associated With Improved Survivalâ€. Circulation, 2008, 117, . | 1.6 | 0 |
| 52 | Direct cardiac reprogramming: A new frontier in heart regeneration. Seminars in Cell and Developmental Biology, 2022, 122, 1-2. | 5.0 | 0 |
| 53 | Bradycardia. , 0, , 204-211. | | 0 |
| 54 | Pacemakers and ICD Troubleshooting. , 0, , 360-369. | | 0 |

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|---|---|---|---|
| 55 | ECG Interpretation. , 0, , 272-282. | | 0 |
| 56 | Clonal Tracing of Heart Regeneration. Journal of Cardiovascular Development and Disease, 2022, 9, 141. | 1.6 | 0 |