

Roberto Gaetani

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,026
citations

279798

23
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

2947
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac tissue engineering using tissue printing technology and human cardiac progenitor cells. <i>Biomaterials</i> , 2012, 33, 1782-1790.	11.4	347
2	Epicardial application of cardiac progenitor cells in a 3D-printed gelatin/hyaluronic acid patch preserves cardiac function after myocardial infarction. <i>Biomaterials</i> , 2015, 61, 339-348.	11.4	265
3	A Bioprinted Cardiac Patch Composed of Cardiac-Specific Extracellular Matrix and Progenitor Cells for Heart Repair. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800672.	7.6	181
4	Evidence for Mechanisms Underlying the Functional Benefits of a Myocardial Matrix Hydrogel for Post-MI Treatment. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1074-1086.	2.8	127
5	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
6	Human versus porcine tissue sourcing for an injectable myocardial matrix hydrogel. <i>Biomaterials Science</i> , 2014, 2, 735-744.	5.4	101
7	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
8	Enzyme-responsive progelator cyclic peptides for minimally invasive delivery to the heart post-myocardial infarction. <i>Nature Communications</i> , 2019, 10, 1735.	12.8	79
9	Concise Review: Heart Regeneration and the Role of Cardiac Stem Cells. <i>Stem Cells Translational Medicine</i> , 2013, 2, 434-443.	3.3	69
10	Evaluation of Different Decellularization Protocols on the Generation of Pancreas-Derived Hydrogels. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 697-708.	2.1	60
11	Human cardiosphere-seeded gelatin and collagen scaffolds as cardiogenic engineered bioconstructs. <i>Biomaterials</i> , 2011, 32, 9271-9281.	11.4	59
12	Cardiac-Derived Extracellular Matrix Enhances Cardiogenic Properties of Human Cardiac Progenitor Cells. <i>Cell Transplantation</i> , 2016, 25, 1653-1663.	2.5	58
13	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
14	When Stiffness Matters: Mechanosensing in Heart Development and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 334.	3.7	50
15	Gelatin Microspheres as Vehicle for Cardiac Progenitor Cells Delivery to the Myocardium. <i>Advanced Healthcare Materials</i> , 2016, 5, 1071-1079.	7.6	42
16	Serum and supplement optimization for <sc>EU GMP</sc>-compliance in cardiospheres cell culture. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 624-634.	3.6	41
17	Stem cell-based therapy: Improving myocardial cell delivery. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 104-115.	13.7	36
18	Ion Cyclotron Resonance as a Tool in Regenerative Medicine. <i>Electromagnetic Biology and Medicine</i> , 2008, 27, 127-133.	1.4	34

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19	Different types of cultured human adult Cardiac Progenitor Cells have a high degree of transcriptome similarity. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2147-2151.	3.6	34
20	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
21	Cardiac Cell Therapy: The Next (Re)Generation. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 1018-1030.	5.6	28
22	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
23	Decellularized Extracellular Matrix Hydrogels as a Delivery Platform for MicroRNA and Extracellular Vesicle Therapeutics. <i>Advanced Therapeutics</i> , 2018, 1, 1800032.	3.2	26
24	Injectable Myocardial Matrix Hydrogel Mitigates Negative Left Ventricular Remodeling in a Chronic Myocardial Infarction Model. <i>JACC Basic To Translational Science</i> , 2021, 6, 350-361.	4.1	22
25	Building an Artificial Cardiac Microenvironment: A Focus on the Extracellular Matrix. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 559032.	3.7	19
26	Increasing short-term cardiomyocyte progenitor cell (CMPC) survival by necrostatin-1 did not further preserve cardiac function. <i>Cardiovascular Research</i> , 2013, 99, 83-91.	3.8	15
27	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
28	Tissue Engineering for Cardiac Regeneration. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2011, , 1-27.	1.0	4
29	Acellular Injectable Biomaterials for Treating Cardiovascular Disease. , 2016, , 309-325.		3
30	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
31	Meeting highlights from the 2013 European Society of Cardiology Heart Failure Association Winter Meeting on Translational Heart Failure Research. <i>European Journal of Heart Failure</i> , 2014, 16, 6-14.	7.1	1
32	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
33	Editorial to "Evaluating biomaterials and implanted devices". <i>Drug Discovery Today: Disease Models</i> , 2017, 24, 1-3.	1.2	0
34	Bone Marrow-Derived Cells Regenerate Kit+ Cardiac Stem Cells (CSCs) in Damaged Heart.. <i>Blood</i> , 2006, 108, 1681-1681.	1.4	0
35	Evidence for the Existence of Resident Cardiac Stem Cells. , 2011, , 131-147.		0