Roberto Gaetani

List of Publications by Year
in descending order

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	Injectable Myocardial Matrix Hydrogel Mitigates Negative Left Ventricular Remodeling in a Chronic Myocardial Infarction Model. JACC Basic To Translational Science, 2021, 6, 350-361.	4.1	22
2	Building an Artificial Cardiac Microenvironment: A Focus on the Extracellular Matrix. Frontiers in Cell and Developmental Biology, 2020, 8, 559032.	3.7	19
3	When Stiffness Matters: Mechanosensing in Heart Development and Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 334.	3.7	50
4	Enzyme-responsive progelator cyclic peptides for minimally invasive delivery to the heart post-myocardial infarction. Nature Communications, 2019, 10, 1735.	12.8	79
5	Evaluation of Different Decellularization Protocols on the Generation of Pancreas-Derived Hydrogels. Tissue Engineering - Part C: Methods, 2018, 24, 697-708.	2.1	60
6	A Bioprinted Cardiac Patch Composed of Cardiacâ€Specific Extracellular Matrix and Progenitor Cells for Heart Repair. Advanced Healthcare Materials, 2018, 7, e1800672.	7.6	181
7	Decellularized Extracellular Matrix Hydrogels as a Delivery Platform for MicroRNA and Extracellular Vesicle Therapeutics. Advanced Therapeutics, 2018, 1, 1800032.	3.2	26
8	Editorial to â€œEvaluating biomaterials and implanted devicesâ€. Drug Discovery Today: Disease Models, 2017, 24, 1-3.	1.2	0
9	Acellular Injectable Biomaterials for Treating Cardiovascular Disease. , 2016, , 309-325.		3
10	Stem cell-based therapy: Improving myocardial cell delivery. Advanced Drug Delivery Reviews, 2016, 106, 104-115.	13.7	36
11	Cardiac-Derived Extracellular Matrix Enhances Cardiogenic Properties of Human Cardiac Progenitor Cells. Cell Transplantation, 2016, 25, 1653-1663.	2.5	58
12	Gelatin Microspheres as Vehicle for Cardiac Progenitor Cells Delivery to the Myocardium. Advanced Healthcare Materials, 2016, 5, 1071-1079.	7.6	42
13	Evidence for Mechanisms Underlying theÂFunctional Benefits of a Myocardial Matrix Hydrogel for Post-MI Treatment. Journal of the American College of Cardiology, 2016, 67, 1074-1086.	2.8	127
14	Epicardial application of cardiac progenitor cells in a 3D-printed gelatin/hyaluronic acid patch preserves cardiac function after myocardial infarction. Biomaterials, 2015, 61, 339-348.	11.4	265
15	Serum and supplement optimization for <scp>EU GMP</scp>â€compliance in cardiospheres cell culture. Journal of Cellular and Molecular Medicine, 2014, 18, 624-634.	3.6	41
16	Meeting highlights from the 2013 <scp>E</scp>uropean <scp>S</scp>ociety of <scp>C</scp>ardiology <scp>H</scp>eart <scp>F</scp>ailure <scp>A</scp>ssociation <scp>W</scp>inter <scp>M</scp>eeting on <scp>T</scp>ranslational <scp>H</scp>eart <scp>F</scp>ailure <scp>R</scp>esearch. European Journal of Heart Failure, 2014, 16, 6-14.	7.1	1
17	Human versus porcine tissue sourcing for an injectable myocardial matrix hydrogel. Biomaterials Science, 2014, 2, 735-744.	5.4	101
18	Different types of cultured human adult Cardiac Progenitor Cells have a high degree of transcriptome similarity. Journal of Cellular and Molecular Medicine, 2014, 18, 2147-2151.	3.6	34

#	Article	IF	Citations
19	Concise Review: Heart Regeneration and the Role of Cardiac Stem Cells. Stem Cells Translational Medicine, 2013, 2, 434-443.	3.3	69
20	Increasing short-term cardiomyocyte progenitor cell (CMPC) survival by necrostatin-1 did not further preserve cardiac function. Cardiovascular Research, 2013, 99, 83-91.	3.8	15
21	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, 327-338.	0.9	57
22	Cardiac tissue engineering using tissue printing technology and human cardiac progenitor cells. Biomaterials, 2012, 33, 1782-1790.	11.4	347
23	Tissue Engineering for Cardiac Regeneration. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2011, , 1-27.	1.0	4
24	Bone marrowâ€derived cells can acquire cardiac stem cells properties in damaged heart. Journal of Cellular and Molecular Medicine, 2011, 15, 63-71.	3.6	26
25	Human cardiosphere-seeded gelatin and collagen scaffolds as cardiogenic engineered bioconstructs. Biomaterials, 2011, 32, 9271-9281.	11.4	59
26	Cardiac Cell Therapy: The Next (Re)Generation. Stem Cell Reviews and Reports, 2011, 7, 1018-1030.	5.6	28
27	Evidence for the Existence of Resident Cardiac Stem Cells. , 2011, , 131-147.		0
28	Cardiospheres and tissue engineering for myocardial regeneration: potential for clinical application. Journal of Cellular and Molecular Medicine, 2010, 14, no-no.	3.6	30
29	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.	7.1	8
30	Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. Cardiovascular Research, 2009, 82, 411-420.	3.8	104
31	Ion Cyclotron Resonance as a Tool in Regenerative Medicine. Electromagnetic Biology and Medicine, 2008, 27, 127-133.	1.4	34
32	Extremely low frequency magnetic field induces differentiation of the human cardiac stem cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S91.	1.9	0
33	Cardiac stem cells can be generated in damaged heart from bone marrow-derived cells. Journal of Molecular and Cellular Cardiology, 2007, 42, S100.	1.9	1
34	Cardiac stem cells: isolation, expansion and experimental use for myocardial regeneration. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, S9-S14.	3.3	94
35	Bone Marrow-Derived Cells Regenerate Kit+ Cardiac Stem Cells (CSCs) in Damaged Heart.. Blood, 2006, 108, 1681-1681.	1.4	0