Eduardo MarbÃ¡n

List of Publications by Year
in descending order

191 papers	21,983 citations	11608 70 h-index	8835 145 g-index
199 all docs	199 docs citations	199 times ranked	17430 citing authors

#	Article	IF	Citations
1	Pituitary Somatotroph Adenoma-derived Exosomes: Characterization of Nonhormonal Actions. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 379-397.	1.8	6
2	Biodistribution of unmodified cardiosphereâ€derived cell extracellular vesicles using single RNA tracing. Journal of Extracellular Vesicles, 2022, 11, e12178.	5.5	11
3	Biological substrate modification suppresses ventricular arrhythmias in a porcine model of chronic ischaemic cardiomyopathy. European Heart Journal, 2022, 43, 2139-2156.	1.0	17
4	Stem Cell Therapy Targets: RepÃªchage!. Circulation Research, 2022, 130, 339-342.	2.0	2
5	Repeated intravenous cardiosphere-derived cell therapy in late-stage Duchenne muscular dystrophy (HOPE-2): a multicentre, randomised, double-blind, placebo-controlled, phase 2 trial. Lancet, The, 2022, 399, 1049-1058.	6.3	36
6	On the cellular origin of cardiosphere-derived cells (CDCs). Basic Research in Cardiology, 2022, 117, 12.	2.5	7
7	Small molecule inhibitors and culture conditions enhance therapeutic cell and EV potency via activation of beta-catenin and suppression of THY1. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 33, 102347.	1.7	3
8	Electrocardiogram-less, free-breathing myocardial extracellular volume fraction mapping in small animals at high heart rates using motion-resolved cardiovascular magnetic resonance multitasking: a feasibility study in a heart failure with preserved ejection fraction rat model. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 8.	1.6	8
9	Mechanistic and therapeutic distinctions between cardiosphere-derived cell and mesenchymal stem cell extracellular vesicle non-coding RNA. Scientific Reports, 2021, 11, 8666.	1.6	7
10	Regulatory T cell activation, proliferation, and reprogramming induced by extracellular vesicles. Journal of Heart and Lung Transplantation, 2021, 40, 1387-1395.	0.3	7
11	Pathogenesis of arrhythmogenic cardiomyopathy: role of inflammation. Basic Research in Cardiology, 2021, 116, 39.	2.5	14
12	Exosomally derived Y RNA fragment alleviates hypertrophic cardiomyopathy in transgenic mice. Molecular Therapy - Nucleic Acids, 2021, 24, 951-960.	2.3	11
13	Cardiosphere-derived cells, with and without a biological scaffold, stimulate myogenesis and recovery of muscle function in mice with volumetric muscle loss. Biomaterials, 2021, 274, 120852.	5.7	9
14	Delayed repolarization and ventricular tachycardia in patients with heart failure and preserved ejection fraction. PLoS ONE, 2021, 16, e0254641.	1.1	8
15	Effect of cardiosphere-derived cells on segmental myocardial function after myocardial infarction: ALLSTAR randomised clinical trial. Open Heart, 2021, 8, e001614.	0.9	15
16	Extracellular vesicles from immortalized cardiosphere-derived cells attenuate arrhythmogenic cardiomyopathy in desmoglein-2 mutant mice. European Heart Journal, 2021, 42, 3558-3571.	1.0	44
17	A phoenix rises from the ashes of cardiac cell therapy. Nature Reviews Cardiology, 2021, 18, 743-744.	6.1	4
18	Engineered Fibroblast Extracellular Vesicles Attenuate Pulmonary Inflammation and Fibrosis in Bleomycin-Induced Lung Injury. Frontiers in Cell and Developmental Biology, 2021, 9, 733158.	1.8	8

#	Article	IF	Citations
19	Caseinâ€enhanced uptake and diseaseâ€modifying bioactivity of ingested extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12045.	5.5	9
20	Myofilament Phosphorylation in Stem Cell Treated Diastolic Heart Failure. Circulation Research, 2021, 129, 1125-1140.	2.0	16
21	Extracellular Vesicles Secreted by TDO2-Augmented Fibroblasts Regulate Pro-inflammatory Response in Macrophages. Frontiers in Cell and Developmental Biology, 2021, 9, 733354.	1.8	4
22	Basic and Translational Research in Cardiac Repair and Regeneration. Journal of the American College of Cardiology, 2021, 78, 2092-2105.	1.2	42
23	Direct and Indirect Suppression of Scn5a Gene Expression Mediates Cardiac Na+ Channel Inhibition by Wnt Signalling. Canadian Journal of Cardiology, 2020, 36, 564-576.	0.8	12
24	Pre-existing traits associated with Covid-19 illness severity. PLoS ONE, 2020, 15, e0236240.	1.1	129
25	Intracoronary ALLogeneic heart STem cells to Achieve myocardial Regeneration (ALLSTAR): a randomized, placebo-controlled, double-blinded trial. European Heart Journal, 2020, 41, 3451-3458.	1.0	78
26	Distinct features of calcium handling and Î²â€adrenergic sensitivity in heart failure with preserved <i>versus</i> reduced ejection fraction. Journal of Physiology, 2020, 598, 5091-5108.	1.3	37
27	Allogeneic cardiosphere-derived cells (CAP-1002) in critically ill COVID-19 patients: compassionate-use case series. Basic Research in Cardiology, 2020, 115, 36.	2.5	44
28	Extracellular Vesicles as Therapeutic Agents for Cardiac Fibrosis. Frontiers in Physiology, 2020, 11, 479.	1.3	23
29	Quantitative Hybrid Cardiac [18F]FDG-PET-MRI Images for Assessment of Cardiac Repair by Preconditioned Cardiosphere-Derived Cells. Molecular Therapy - Methods and Clinical Development, 2020, 18, 354-366.	1.8	9
30	Mechanisms of atrial fibrillation in aged rats with heart failure with preserved ejection fraction. Heart Rhythm, 2020, 17, 1025-1033.	0.3	34
31	COVID-19 and the Heart. Circulation Research, 2020, 126, 1443-1455.	2.0	574
32	Cardiac arrhythmias in hospitalized patients with COVID-19: A prospective observational study in the western United States. PLoS ONE, 2020, 15, e0244533.	1.1	32
33	Allogeneic cardiosphere-derived cells for the treatment of heart failure with reduced ejection fraction: the Dilated cardiomYopathy iNtervention with Allogeneic MyocardIally-regenerative Cells (DYNAMIC) trial. EuroIntervention, 2020, 16, e293-e300.	1.4	32
34	Heart-derived cells for therapeutics. , 2020, , 217-243.		0
35	Immunological mechanisms of exosome mediated therapeutic bioactivity in Duchenne muscular dystrophy. FASEB Journal, 2020, 34, 1-1.	0.2	0
36	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0

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37	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
38	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
39	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
40	Title is missing!. , 2020, 15, e0244533.		0
41	Title is missing!. , 2020, 15, e0244533.		0
42	Title is missing!. , 2020, 15, e0244533.		0
43	Title is missing!. , 2020, 15, e0244533.		0
44	Mechanism of Enhanced MerTK-Dependent Macrophage Efferocytosis by Extracellular Vesicles. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2082-2096.	1.1	49
45	Augmenting canonical Wnt signalling in therapeutically inert cells converts them into therapeutically potent exosome factories. Nature Biomedical Engineering, 2019, 3, 695-705.	11.6	52
46	Cardiac and skeletal muscle effects in the randomized HOPE-Duchenne trial. Neurology, 2019, 92, e866-e878.	1.5	64
47	Repeated cell transplantation and adjunct renal denervation in ischemic heart failure: exploring modalities for improving cell therapy efficacy. Basic Research in Cardiology, 2019, 114, 9.	2.5	8
48	Antegrade Conduction Rescues RightÂVentricular Pacing-Induced Cardiomyopathy in Complete Heart Block. Journal of the American College of Cardiology, 2019, 73, 1673-1687.	1.2	16
49	Disease-modifying bioactivity of intravenous cardiosphere-derived cells and exosomes in mdx mice. JCI Insight, 2019, 4, .	2.3	56
50	Cardiosphereâ€Derived Cell Exosomes Modulate mdx Macrophage Phenotype and Alter Their Secretome. FASEB Journal, 2019, 33, lb611.	0.2	1
51	The Secret Life of Exosomes. Journal of the American College of Cardiology, 2018, 71, 193-200.	1.2	92
52	Newt cells secrete extracellular vesicles with therapeutic bioactivity in mammalian cardiomyocytes. Journal of Extracellular Vesicles, 2018, 7, 1456888.	5.5	30
53	Diffusion Tensor Cardiac Magnetic Resonance Reveals Exosomes From Cardiosphere-Derived Cells Preserve Myocardial Fiber Architecture After Myocardial Infarction. JACC Basic To Translational Science, 2018, 3, 97-109.	1.9	27
54	Exosome-Mediated Benefits of Cell Therapy in Mouse and Human Models of Duchenne Muscular Dystrophy. Stem Cell Reports, 2018, 10, 942-955.	2.3	101

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55	Next-generation pacemakers: from small devices to biological pacemakers. Nature Reviews Cardiology, 2018, 15, 139-150.	6.1	123
56	Letter by Ibrahim et al Regarding Article, â€œLack of Cardiac Improvement After Cardiosphere-Derived Cell Transplantation in Aging Mouse Heartsâ€• Circulation Research, 2018, 123, e65-e66.	2.0	3
57	Targeting extracellular vesicles to injured tissue using membrane cloaking and surface display. Journal of Nanobiotechnology, 2018, 16, 61.	4.2	161
58	Ventricular Arrhythmias Underlie Sudden Death in Rats With Heart Failure and Preserved Ejection Fraction. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006452.	2.1	33
59	Angiotensin IIâ€“Induced End-Organ Damage in Mice Is Attenuated by Human Exosomes and by an Exosomal Y RNA Fragment. Hypertension, 2018, 72, 370-380.	1.3	49
60	A mechanistic roadmap for the clinical application of cardiac cell therapies. Nature Biomedical Engineering, 2018, 2, 353-361.	11.6	77
61	Intravenous xenogeneic human cardiosphere-derived cell extracellular vesicles (exosomes) improves behavioral function in small-clot embolized rabbits. Experimental Neurology, 2018, 307, 109-117.	2.0	29
62	Reverse electrical remodeling in rats with heart failure and preserved ejection fraction. JCI Insight, 2018, 3, .	2.3	22
63	Therapeutic Exosome Preparations: Relative Bioactivities of Intraâ€•and Extraâ€Vesicular Components. FASEB Journal, 2018, 32, 840.8.	0.2	0
64	Macrophages are Required for Recovery from Physiological Muscle Stress in the mdx Mouse Model of Muscular Dystrophy. FASEB Journal, 2018, 32, lb438.	0.2	1
65	Exosomes secreted by cardiosphere-derived cells reduce scarring, attenuate adverse remodelling, and improve function in acute and chronic porcine myocardial infarction. European Heart Journal, 2017, 38, ehw240.	1.0	374
66	Roles of exosomes in cardioprotection. European Heart Journal, 2017, 38, ehw304.	1.0	213
67	Y <scp>RNA</scp> fragment in extracellular vesicles confers cardioprotection via modulation of <scp>IL</scp> â€10 expression and secretion. EMBO Molecular Medicine, 2017, 9, 337-352.	3.3	171
68	Exosomal MicroRNA Transfer Into Macrophages Mediates Cellular Postconditioning. Circulation, 2017, 136, 200-214.	1.6	261
69	Delayed Repolarization Underlies Ventricular Arrhythmias in Rats With Heart Failure and Preserved Ejection Fraction. Circulation, 2017, 136, 2037-2050.	1.6	54
70	A comprehensive method for identification of suitable reference genes in extracellular vesicles. Journal of Extracellular Vesicles, 2017, 6, 1347019.	5.5	58
71	Cardiac and systemic rejuvenation after cardiosphere-derived cell therapy in senescent rats. European Heart Journal, 2017, 38, 2957-2967.	1.0	65
72	Is Cardioprotection Dead?. Circulation, 2017, 136, 98-109.	1.6	58

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73	Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686.	1.6	417
74	Therapeutic benefits of intravenous cardiosphere-derived cell therapy in rats with pulmonary hypertension. PLoS ONE, 2017, 12, e0183557.	1.1	16
75	Harnessing the heartâ€™s resistance to malignant tumors: cardiac-derived extracellular vesicles decrease fibrosarcoma growth and leukemia-related mortality in rodents. Oncotarget, 2017, 8, 99624-99636.	0.8	12
76	Widespread Myocardial Delivery of Heart-Derived Stem Cells by Nonocclusive Triple-Vessel Intracoronary Infusion in Porcine Ischemic Cardiomyopathy: Superior Attenuation of Adverse Remodeling Documented by Magnetic Resonance Imaging and Histology. PLoS ONE, 2016, 11, e0144523.	1.1	31
77	Persistent Microvascular Obstruction After Myocardial Infarction Culminates in the Confluence of Ferric Iron Oxide Crystals, Proinflammatory Burden, and Adverse Remodeling. Circulation: Cardiovascular Imaging, 2016, 9, .	1.3	44
78	Repeated transplantation of allogeneic cardiosphere-derived cells boosts therapeutic benefits without immune sensitization in a rat model of myocardial infarction. Journal of Heart and Lung Transplantation, 2016, 35, 1348-1357.	0.3	29
79	Cardiosphere-Derived Cells Reverse Heart Failure With Preserved Ejection Fraction inÂRats by Decreasing Fibrosis andÂInflammation. JACC Basic To Translational Science, 2016, 1, 14-28.	1.9	95
80	Durable Benefits of Cellular Postconditioning: Longâ€Term Effects of Allogeneic Cardiosphereâ€Derived Cells Infused After Reperfusion in Pigs with Acute Myocardial Infarction. Journal of the American Heart Association, 2016, 5, .	1.6	32
81	Exosomes: Fundamental Biology and Roles in Cardiovascular Physiology. Annual Review of Physiology, 2016, 78, 67-83.	5.6	236
82	Optimized CEST cardiovascular magnetic resonance for assessment of metabolic activity in the heart. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 95.	1.6	29
83	Epigenomic Reprogramming of Adult Cardiomyocyte-Derived Cardiac Progenitor Cells. Scientific Reports, 2015, 5, 17686.	1.6	25
84	Wnt signalling suppresses voltageâ€dependent Na⁺ channel expression in postnatal rat cardiomyocytes. Journal of Physiology, 2015, 593, 1147-1157.	1.3	31
85	Intracoronary Delivery of Self-Assembling Heart-Derived Microtissues (Cardiospheres) for Prevention of Adverse Remodeling in a Pig Model of Convalescent Myocardial Infarction. Circulation: Cardiovascular Interventions, 2015, 8, .	1.4	28
86	Cardiac regeneration validated. Nature Biotechnology, 2015, 33, 587-587.	9.4	9
87	Letter by Gallet and MarbÃ¡n Regarding Article, â€œIntracoronary Injection of Large Stem Cells: Size Mattersâ€. Circulation: Cardiovascular Interventions, 2015, 8, e002843.	1.4	1
88	Cellular Postconditioning. Circulation: Heart Failure, 2015, 8, 322-332.	1.6	79
89	Fibroblasts Rendered Antifibrotic, Antiapoptotic, and Angiogenic by Priming With Cardiosphere-Derived Extracellular Membrane Vesicles. Journal of the American College of Cardiology, 2015, 66, 599-611.	1.2	124
90	Direct Reprogramming. JAMA - Journal of the American Medical Association, 2015, 314, 19.	3.8	9

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91	Meta-Analysis of Cell-based CaRdiac stUdiEs (ACCRUE) in Patients With Acute Myocardial Infarction Based on Individual Patient Data. Circulation Research, 2015, 116, 1346-1360.	2.0	270
92	A corrole nanobiologic elicits tissue-activated MRI contrast enhancement and tumor-targeted toxicity. Journal of Controlled Release, 2015, 217, 92-101.	4.8	28
93	Recreating the Sinus Node by Somatic Reprogramming: A Dream Come True?. Revista Espanola De Cardiologia (English Ed), 2015, 68, 743-745.	0.4	2
94	Therapeutic efficacy of cardiosphere-derived cells in a transgenic mouse model of non-ischaemic dilated cardiomyopathy. European Heart Journal, 2015, 36, 751-762.	1.0	79
95	Macrophages mediate cardioprotective cellular postconditioning in acute myocardial infarction. Journal of Clinical Investigation, 2015, 125, 3147-3162.	3.9	197
96	Allogeneic Cardiospheres Delivered via Percutaneous Transendocardial Injection Increase Viable Myocardium, Decrease Scar Size, and Attenuate Cardiac Dilatation in Porcine Ischemic Cardiomyopathy. PLoS ONE, 2014, 9, e113805.	1.1	48
97	Engineered Electrical Conduction TractÂRestores Conduction in CompleteÂHeart Block. Journal of the American College of Cardiology, 2014, 64, 2575-2585.	1.2	24
98	Stimulation of endogenous cardioblasts by exogenous cell therapy after myocardial infarction. EMBO Molecular Medicine, 2014, 6, 760-777.	3.3	82
99	Relative Roles of CD90 and câ€Kit to the Regenerative Efficacy of Cardiosphereâ€Derived Cells in Humans and in a Mouse Model of Myocardial Infarction. Journal of the American Heart Association, 2014, 3, e001260.	1.6	104
100	Biological pacemaker created by minimally invasive somatic reprogramming in pigs with complete heart block. Science Translational Medicine, 2014, 6, 245ra94.	5.8	151
101	Cardiospheres reverse adverse remodeling in chronic rat myocardial infarction: roles of soluble endoglin and Tgf-Î² signaling. Basic Research in Cardiology, 2014, 109, 443.	2.5	52
102	Letter by Makkar et al Regarding Article, â€œCell Therapy for Heart Failure: A Comprehensive Overview of Experimental and Clinical Studies, Current Challenges, and Future Directionsâ€. Circulation Research, 2014, 115, e32.	2.0	1
103	Intracoronary Cardiosphere-Derived Cells After Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 110-122.	1.2	468
104	Human Cardiosphere-Derived Cells FromÂAdvanced Heart Failure Patients ExhibitÂAugmented Functional Potency in Myocardial Repair. JACC: Heart Failure, 2014, 2, 49-61.	1.9	100
105	c-kit+ cells minimally contribute cardiomyocytes to the heart. Nature, 2014, 509, 337-341.	13.7	723
106	Exosomes as Critical Agents of Cardiac Regeneration Triggered by Cell Therapy. Stem Cell Reports, 2014, 2, 606-619.	2.3	705
107	Moving Beyond Surrogate Endpoints in Cell Therapy Trials for Heart Disease. Stem Cells Translational Medicine, 2014, 3, 2-6.	1.6	16
108	Translating Stem Cell Research to Cardiac Disease Therapies. Journal of the American College of Cardiology, 2014, 64, 922-937.	1.2	85

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109	Determination of Location, Size, and Transmurality of Chronic Myocardial Infarction Without Exogenous Contrast Media by Using Cardiac Magnetic Resonance Imaging at 3 T. Circulation: Cardiovascular Imaging, 2014, 7, 471-481.	1.3	51
110	Magnetic antibody-linked nanomatchmakers for therapeutic cell targeting. Nature Communications, 2014, 5, 4880.	5.8	119
111	Cardiac BIN1 folds T-tubule membrane, controlling ion flux and limiting arrhythmia. Nature Medicine, 2014, 20, 624-632.	15.2	203
112	Breakthroughs in Cell Therapy for Heart Disease: Focus on Cardiosphere-Derived Cells. Mayo Clinic Proceedings, 2014, 89, 850-858.	1.4	44
113	Importance of Cell-Cell Contact in the Therapeutic Benefits of Cardiosphere-Derived Cells. Stem Cells, 2014, 32, 2397-2406.	1.4	55
114	Angiogenesis, Cardiomyocyte Proliferation and Anti-Fibrotic Effects Underlie Structural Preservation Post-Infarction by Intramyocardially-Injected Cardiospheres. PLoS ONE, 2014, 9, e88590.	1.1	58
115	Cardiomyocyte proliferation and progenitor cell recruitment underlie therapeutic regeneration after myocardial infarction in the adult mouse heart. EMBO Molecular Medicine, 2013, 5, 191-209.	3.3	268
116	Direct conversion of quiescent cardiomyocytes to pacemaker cells by expression of Tbx18. Nature Biotechnology, 2013, 31, 54-62.	9.4	274
117	Allogeneic Cardiospheres Safely Boost Cardiac Function and Attenuate Adverse Remodeling After Myocardial Infarction in Immunologically Mismatched Rat Strains. Journal of the American College of Cardiology, 2013, 61, 1108-1119.	1.2	83
118	Intrinsic cardiac origin of human cardiosphere-derived cells. European Heart Journal, 2013, 34, 68-75.	1.0	68
119	Validation of Contrast-Enhanced Magnetic Resonance Imaging to Monitor Regenerative Efficacy After Cell Therapy in a Porcine Model of Convalescent Myocardial Infarction. Circulation, 2013, 128, 2764-2775.	1.6	100
120	Enhancing retention and efficacy of cardiosphere-derived cells administered after myocardial infarction using a hyaluronan-gelatin hydrogel. Biomatter, 2013, 3, .	2.6	45
121	Cardiac Cell Therapy for Ischemic Heart Disease. , 2013, , 229-257.		0
122	Functional Impairment of Human Resident Cardiac Stem Cells by the Cardiotoxic Antineoplastic Agent Trastuzumab. Stem Cells Translational Medicine, 2012, 1, 289-297.	1.6	36
123	Response to Letter Regarding Article, â€œCombined Cardiac Magnetic Resonance Imaging and C-Reactive Protein Levels Identify a Cohort at Low Risk for Defibrillator Firings and Deathâ€. Circulation: Cardiovascular Imaging, 2012, 5, .	1.3	0
124	Safety and Efficacy of Allogeneic Cell Therapy in Infarcted Rats Transplanted With Mismatched Cardiosphere-Derived Cells. Circulation, 2012, 125, 100-112.	1.6	262
125	Magnetic Enhancement of Cell Retention, Engraftment, and Functional Benefit after Intracoronary Delivery of Cardiac-Derived Stem Cells in a Rat Model of Ischemia/Reperfusion. Cell Transplantation, 2012, 21, 1121-1135.	1.2	86
126	Intracoronary cardiosphere-derived cells for heart regeneration after myocardial infarction (CADUCEUS): a prospective, randomised phase 1 trial. Lancet, The, 2012, 379, 895-904.	6.3	1,294

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127	Cardiosphere-derived cells for heart regeneration â€“ Authorsâ€™ reply. Lancet, The, 2012, 379, 2426-2427.	6.3	4
128	Mixed Results for Bone Marrowâ€"Derived Cell Therapy for Ischemic Heart Disease. JAMA - Journal of the American Medical Association, 2012, 308, 2405.	3.8	39
129	Doseâ€dependent functional benefit of human cardiosphere transplantation in mice with acute myocardial infarction. Journal of Cellular and Molecular Medicine, 2012, 16, 2112-2116.	1.6	49
130	Brief Report: Mechanism of Extravasation of Infused Stem Cells. Stem Cells, 2012, 30, 2835-2842.	1.4	27
131	Direct Comparison of Different Stem Cell Types and Subpopulations Reveals Superior Paracrine Potency and Myocardial Repair Efficacy With Cardiosphere-Derived Cells. Journal of the American College of Cardiology, 2012, 59, 942-953.	1.2	427
132	Taking the Cells Out of Cell Therapy. Journal of the American College of Cardiology, 2012, 60, 1707-1708.	1.2	6
133	Heart to heart: Cardiospheres for myocardial regeneration. Heart Rhythm, 2012, 9, 1727-1731.	0.3	30
134	Cardiospheres and cardiosphere-derived cells as therapeutic agents following myocardial infarction. Expert Review of Cardiovascular Therapy, 2012, 10, 1185-1194.	0.6	45
135	Biological pacemaker created by percutaneous gene delivery via venous catheters in a porcine model of complete heart block. Heart Rhythm, 2012, 9, 1310-1318.	0.3	41
136	Transplantation of platelet gel spiked with cardiosphere-derived cells boosts structural and functional benefits relative to gel transplantation alone in rats with myocardial infarction. Biomaterials, 2012, 33, 2872-2879.	5.7	44
137	Functional performance of human cardiosphere-derived cells delivered in an in situ polymerizable hyaluronan-gelatin hydrogel. Biomaterials, 2012, 33, 5317-5324.	5.7	100
138	Intramyocardial Injection of Autologous Cardiospheres or Cardiosphere-Derived Cells Preserves Function and Minimizes Adverse Ventricular Remodeling in Pigs With Heart Failure Post-Myocardial Infarction. Journal of the American College of Cardiology, 2011, 57, 455-465.	1.2	222
139	Expansion of human cardiac stem cells in physiological oxygen improves cell production efficiency and potency for myocardial repair. Cardiovascular Research, 2011, 89, 157-165.	1.8	89
140	Cardiac cell therapy: where we've been, where we are, and where we should be headed. British Medical Bulletin, 2011, 98, 161-185.	2.7	174
141	Transcriptional Suppression of Connexin43 by TBX18 Undermines Cell-Cell Electrical Coupling in Postnatal Cardiomyocytes. Journal of Biological Chemistry, 2011, 286, 14073-14079.	1.6	60
142	Identification and functionality of proteomes secreted by rat cardiac stem cells and neonatal cardiomyocytes. Proteomics, 2010, 10, 245-253.	1.3	98
143	Human Cardiospheres Are a Source of Stem Cells with Cardiomyogenic Potential. Stem Cells, 2010, 28, 903-904.	1.4	67
144	Physiological Levels of Reactive Oxygen Species Are Required to Maintain Genomic Stability in Stem Cells. Stem Cells, 2010, 28, 1178-1185.	1.4	134

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145	Cardiospheres Recapitulate a Niche-Like Microenvironment Rich in Stemness and Cell-Matrix Interactions, Rationalizing Their Enhanced Functional Potency for Myocardial Repair. Stem Cells, 2010, 28, 2088-2098.	1.4	232
146	Biological Therapies for Cardiac Arrhythmias. Circulation Research, 2010, 106, 674-685.	2.0	96
147	Heart to Heart. Circulation, 2010, 121, 1981-1984.	1.6	21
148	Relative Roles of Direct Regeneration Versus Paracrine Effects of Human Cardiosphere-Derived Cells Transplanted Into Infarcted Mice. Circulation Research, 2010, 106, 971-980.	2.0	609
149	Assessment and Optimization of Cell Engraftment After Transplantation Into the Heart. Circulation Research, 2010, 106, 479-494.	2.0	291
150	Magnetic Targeting Enhances Engraftment and Functional Benefit of Iron-Labeled Cardiosphere-Derived Cells in Myocardial Infarction. Circulation Research, 2010, 106, 1570-1581.	2.0	226
151	Isolation and expansion of functionally-competent cardiac progenitor cells directly from heart biopsies. Journal of Molecular and Cellular Cardiology, 2010, 49, 312-321.	0.9	129
152	VAMP-1, VAMP-2, and syntaxin-4 regulate ANP release from cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2010, 49, 791-800.	0.9	24
153	Dedifferentiation and Proliferation of Mammalian Cardiomyocytes. PLoS ONE, 2010, 5, e12559.	1.1	166
154	Tissue engineered cardiac stem cell grafts for repairing heart with myocardial infarction. FASEB Journal, 2010, 24, 599.11.	0.2	0
155	Validation of the Cardiosphere Method to Culture Cardiac Progenitor Cells from Myocardial Tissue. PLoS ONE, 2009, 4, e7195.	1.1	252
156	Engraftment, Differentiation, and Functional Benefits of Autologous Cardiosphere-Derived Cells in Porcine Ischemic Cardiomyopathy. Circulation, 2009, 120, 1075-1083.	1.6	383
157	<i>I</i> _{K1} Heterogeneity Affects Genesis and Stability of Spiral Waves in Cardiac Myocyte Monolayers. Circulation Research, 2009, 104, 355-364.	2.0	53
158	Noninvasive Quantification and Optimization of Acute Cell Retention by In Vivo Positron Emission Tomography After Intramyocardial Cardiac-Derived Stem Cell Delivery. Journal of the American College of Cardiology, 2009, 54, 1619-1626.	1.2	245
159	Stem cells in the heart: What's the buzz all about? Part 2: Arrhythmic risks and clinical studies. Heart Rhythm, 2008, 5, 880-887.	0.3	49
160	Is Kir6.1 a subunit of mitoKATP?. Biochemical and Biophysical Research Communications, 2008, 366, 649-656.	1.0	63
161	Lentiviral Vectors Bearing the Cardiac Promoter of the Na+-Ca2+ Exchanger Report Cardiogenic Differentiation in Stem Cells. Molecular Therapy, 2008, 16, 957-964.	3.7	40
162	Biological pacemakers as a therapy for cardiac arrhythmias. Current Opinion in Cardiology, 2008, 23, 46-54.	0.8	24

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163	Creation of a Biological Pacemaker by Cell Fusion. Circulation Research, 2007, 100, 1112-1115.	2.0	73
164	Infarct Tissue Heterogeneity by Magnetic Resonance Imaging Identifies Enhanced Cardiac Arrhythmia Susceptibility in Patients With Left Ventricular Dysfunction. Circulation, 2007, 115, 2006-2014.	1.6	790
165	Regenerative Potential of Cardiosphere-Derived Cells Expanded From Percutaneous Endomyocardial Biopsy Specimens. Circulation, 2007, 115, 896-908.	1.6	1,074
166	Creation of a biological pacemaker by gene- or cell-based approaches. Medical and Biological Engineering and Computing, 2007, 45, 133-144.	1.6	22
167	Gene Transfer of a Synthetic Pacemaker Channel Into the Heart. Circulation, 2006, 114, 1682-1686.	1.6	58
168	Proarrhythmic Potential of Mesenchymal Stem Cell Transplantation Revealed in an In Vitro Coculture Model. Circulation, 2006, 113, 1832-1841.	1.6	204
169	Non-equilibrium behavior of HCN channels: Insights into the role of HCN channels in native and engineered pacemakers. Cardiovascular Research, 2005, 67, 263-273.	1.8	63
170	Antiarrhythmic Engineering of Skeletal Myoblasts for Cardiac Transplantation. Circulation Research, 2005, 97, 159-167.	2.0	273
171	Functional Integration of Electrically Active Cardiac Derivatives From Genetically Engineered Human Embryonic Stem Cells With Quiescent Recipient Ventricular Cardiomyocytes. Circulation, 2005, 111, 11-20.	1.6	455
172	Cardiac channelopathies. Nature, 2002, 415, 213-218.	13.7	334
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174	Ectopic expression of KCNE3 accelerates cardiac repolarization and abbreviates the QT interval. Journal of Clinical Investigation, 2002, 109, 1083-1090.	3.9	48
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