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Paracrine mechanisms in adult stem cell signaling and therapy

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1704	Bone marrow mononuclear stem cells: potential in the treatment of myocardial infarction. 2009 , 2, 11-9		5
1703	nAChRs mediate human embryonic stem cell-derived endothelial cells: proliferation, apoptosis, and angiogenesis. 2009 , 4, e7040		47
1702	Novel cell-free strategy for therapeutic angiogenesis: in vitro generated conditioned medium can replace progenitor cell transplantation. 2009 , 4, e5643		170
1701	Cardiac repair and regeneration: the Rubik's cube of cell therapy for heart disease. 2009 , 2, 344-58		70
1700	Europe's advanced therapy medicinal products: chances and challenges. 2009 , 6, 109-10		8
1699	Cellular preservation therapy in acute myocardial infarction. 2009 , 296, H563-5		12
1698	. 2009 , 47,		
1697	Cardioprotective growth factors. 2009 , 83, 179-94		70
1696	Randomized controlled trial on the cardioprotective effect of bone marrow cells in patients undergoing coronary bypass graft surgery. 2009 , 30, 2354-9		8
1695	Adult progenitor cell transplantation influences contractile performance and calcium handling of recipient cardiomyocytes. 2009 , 296, H927-36		14
1694	Myocardial interstitial fluid inhibits proliferation and cardiomyocyte differentiation in pluripotent embryonic stem cells. 2009 , 297, H1369-76		1
1693	Intramuscular VEGF repairs the failing heart: role of host-derived growth factors and mobilization of progenitor cells. 2009 , 297, R1503-15		42
1692	Senescence, apoptosis, and stem cell biology: the rationale for an expanded view of intracrine action. 2009 , 297, H893-901		25
1691	Heart failure therapy mediated by the trophic activities of bone marrow mesenchymal stem cells: a noninvasive therapeutic regimen. 2009 , 296, H1888-97		175
1690	Electrophysiological challenges of cell-based myocardial repair. 2009 , 120, 2496-508		91

1689	Human CD133+ progenitor cells promote the healing of diabetic ischemic ulcers by paracrine stimulation of angiogenesis and activation of Wnt signaling. <i>Circulation Research</i> , 2009 , 104, 1095-102	15.7	213
1688	Mechanisms of cardiac fibrosis in inflammatory heart disease. 2009 , 19, 247-52		131
1687	Bone marrow cell-induced protection of the human myocardium: characterization and mechanism of action. 2009 , 138, 1400-08.e1		14
1686	Cardiac renewing: interstitial Cajal-like cells nurse cardiomyocyte progenitors in epicardial stem cell niches. 2009 , 13, 866-86		114
1685	Cardiac stem/progenitor cells, secreted proteins, and proteomics. 2009 , 583, 1800-7		34
1684	Facilitating tissue infiltration and angiogenesis in a tubular collagen scaffold. 2010 , 93, 615-24		10
1683	Regenerative medicine in the treatment of peripheral arterial disease. 2009 , 108, 753-61		27
1682	Directions of migration of bone marrow mononuclears after intracoronary transventricular injection. 2009 , 148, 713-8		1
1681	Early beneficial effects of bone marrow-derived mesenchymal stem cells overexpressing Akt on cardiac metabolism after myocardial infarction. 2009 , 27, 971-9		99
1680	Hsp20-engineered mesenchymal stem cells are resistant to oxidative stress via enhanced activation of Akt and increased secretion of growth factors. 2009 , 27, 3021-31		146
1679	Trafficking of murine hematopoietic stem and progenitor cells in health and vascular disease. 2009 , 16, 497-507		6
1678	Vascular endothelial growth factor (VEGF) as a key therapeutic trophic factor in bone marrow mesenchymal stem cell-mediated cardiac repair. 2009 , 390, 834-8		97
1677	Intravenous hMSCs improve myocardial infarction in mice because cells embolized in lung are activated to secrete the anti-inflammatory protein TSG-6. 2009 , 5, 54-63		1335
1676	Donor cell-type specific paracrine effects of cell transplantation for post-infarction heart failure. 2009 , 47, 288-95		37
1675	Dedifferentiated fat cells convert to cardiomyocyte phenotype and repair infarcted cardiac tissue in rats. 2009 , 47, 565-75		92
1674	Cell-based therapy for ischemic heart disease: a clinical update. 2009 , 88, 1714-22		34
1673	Growth factors, matrices, and forces combine and control stem cells. 2009 , 324, 1673-7		2065
1672	Allogeneic mesenchymal stem cells restore cardiac function in chronic ischemic cardiomyopathy via trilineage differentiating capacity. 2009 , 106, 14022-7		472

1671	Stem Cell Therapy and Regenerative Medicine. 2009 , 84, 859-861	21
1670	Targeting angiogenesis to restore the microcirculation after reperfused MI. 2009 , 6, 515-23	101
1669	Repair of acute myocardial infarction by human stemness factors induced pluripotent stem cells. 2009 , 120, 408-16	386
1668	Current status of cell therapy for systemic arterial hypertension. 2009 , 7, 1307-11	3
1667	Cellular cardiac regenerative therapy in which patients?. 2009 , 7, 911-9	41
1666	Stem cell therapy for cardiac repair: benefits and barriers. 2009 , 11, e20	91
1665	Harnessing endogenous intra- and extra-cardiac stem cells for cardiac regeneration [hope or hype?]. 2009 , 6, 127-133	5
1664	Cardiac Cell Repair Therapy: A Clinical Perspective. 2009 , 84, 876-892	116
1663	Current world literature. 2009 , 14, 583-97	
1662	Cell-based therapies for ischemic heart disease--"trick and treat". 2009 , 73, 2179-82	5
1661	Amniotic membrane patching promotes ischemic rat heart repair. 2009 , 18, 1147-59	75
1660	Aesthetic cardiology: adipose-derived stem cells for myocardial repair. 2010 , 5, 145-52	18
1659	Skeletal myoblasts for heart regeneration and repair: state of the art and perspectives on the mechanisms for functional cardiac benefits. 2010 , 16, 915-28	14
1658	(Zebra) fishing for relevant genes in heart regeneration. 2010 , 11, 631-2	1
1657	Current developments in the use of stem cell for therapeutic neovascularisation: is the future therapy "cell-free"? 2010 , 140, w13130	16
1656	Cardiac progenitor cells and bone marrow-derived very small embryonic-like stem cells for cardiac repair after myocardial infarction. 2010 , 74, 390-404	52
1655	The advantages and disadvantages of sfrp1 and sfrp2 expression in pathological events. 2010 , 221, 11-7	39
1654	Double-blind and placebo-controlled study of the effectiveness and safety of extracorporeal cardiac shock wave therapy for severe angina pectoris. 2010 , 74, 589-91	104

1653	Genetic engineering of mesenchymal stem cells and its application in human disease therapy. 2010 , 21, 1513-26	119
1652	[Stem and progenitor cell-based therapy approaches: current developments on treatment of acute myocardial infarction and chronic ischemic cardiomyopathy]. 2010 , 35, 445-56	5
1651	Intramyocardial navigation and mapping for stem cell delivery. 2010 , 3, 135-46	29
1650	Dynamics of progenitor cells and ventricular assist device intervention. 2010 , 3, 147-52	
1649	Stem cells for heart failure in the aging heart. 2010 , 15, 447-56	19
1648	Control of autocrine and paracrine myocardial signals: an emerging therapeutic strategy in heart failure. 2010 , 15, 531-42	40
1647	Sustained release of VEGF through PLGA microparticles improves vasculogenesis and tissue remodeling in an acute myocardial ischemia-reperfusion model. 2010 , 147, 30-7	165
1646	In vitro functional comparison of therapeutically relevant human vasculogenic progenitor cells used for cardiac cell therapy. 2010 , 140, 216-24, 224.e1-4	12
1645	Heme oxygenase-1 and carbon monoxide promote neovascularization after myocardial infarction by modulating the expression of HIF-1alpha, SDF-1alpha and VEGF-B. 2010 , 635, 156-64	60
1644	ES and iPS cell research for cardiovascular regeneration. 2010 , 316, 2555-9	38
1643	Mesenchymal stem cells: paracrine signaling and differentiation during cutaneous wound repair. 2010 , 316, 2213-9	289
1642	Cardiomyocyte progenitor cell-derived exosomes stimulate migration of endothelial cells. 2010 , 14, 1064-70	170
1641	Telocytes in human epicardium. 2010 , 14, 2085-93	115
1640	Enrichment for STRO-1 expression enhances the cardiovascular paracrine activity of human bone marrow-derived mesenchymal cell populations. 2010 , 223, 530-40	111
1639	Reparative effects of allogeneic mesenchymal precursor cells delivered transendocardially in experimental nonischemic cardiomyopathy. 2010 , 3, 974-83	54
1638	Surgical ventricular restoration with a cell- and cytokine-seeded biodegradable scaffold. 2010 , 31, 7684-94	45
1637	Differential efficacy of gels derived from small intestinal submucosa as an injectable biomaterial for myocardial infarct repair. 2010 , 31, 7678-83	74
1636	Mesenchymal stem cells rescue cardiomyoblasts from cell death in an in vitro ischemia model via direct cell-to-cell connections. 2010 , 11, 29	126

1635	Identification and functionality of proteomes secreted by rat cardiac stem cells and neonatal cardiomyocytes. 2010 , 10, 245-53	84
1634	Capturing the stem cell paracrine effect using heparin-presenting nanofibres to treat cardiovascular diseases. 2010 , 4, 600-10	77
1633	Secreted proteome of the murine multipotent hematopoietic progenitor cell line DKmix. 2010 , 24, 561-70	8
1632	Promigratory activity of oxytocin on umbilical cord blood-derived mesenchymal stem cells. 2010 , 34, 453-61	25
1631	Reporter Gene Imaging of Cell Signal Transduction. 195-226	
1630	Culture-modified bone marrow cells attenuate cardiac and renal injury in a chronic kidney disease rat model via a novel antifibrotic mechanism. 2010 , 5, e9543	51
1629	c-kitpos GATA-4 high rat cardiac stem cells foster adult cardiomyocyte survival through IGF-1 paracrine signalling. 2010 , 5, e14297	65
1628	Stem cells for myocardial repair. 2010 , 104, 6-12	31
1627	Stem cell-mediated neovascularization in heart repair. 2010 , 4, 27-42	23
1626	Hard luck stories: the reality of endothelial progenitor cells continues to fall short of the promise. 2010 , 121, 850-2	21
1625	The promise of cell-based therapies for diabetic complications: challenges and solutions. <i>Circulation Research</i> , 2010 , 106, 854-69	15.7 113
1624	Mechanism of improved cardiac function after bone marrow mononuclear cell therapy: role of cardiovascular lineage commitment. 2010 , 121, 2001-11	99
1623	Cardiac progenitor cell cycling stimulated by pim-1 kinase. <i>Circulation Research</i> , 2010 , 106, 891-901	15.7 71
1622	Oxidized low-density lipoprotein induces apoptosis in endothelial progenitor cells by inactivating the phosphoinositide 3-kinase/Akt pathway. 2010 , 47, 519-30	47
1621	Neuregulin/ErbB signaling regulates cardiac subtype specification in differentiating human embryonic stem cells. <i>Circulation Research</i> , 2010 , 107, 776-86	15.7 172
1620	Feeling the elephant of cardiovascular cell therapy. 2010 , 121, 197-9	5
1619	Letter by Madeddu regarding article, "Circulating endothelial progenitor cells do not contribute to plaque endothelium in murine atherosclerosis". 2010 , 122, e565; author reply e567	1
1618	Phases I-III Clinical Trials Using Adult Stem Cells. 2010 , 2010, 579142	34

1617	Letter by Ibrahim et al regarding article "Circulating endothelial progenitor cells do not contribute to plaque endothelium in murine atherosclerosis". 2010 , 122, e566; author reply e567	2
1616	Genetic modification of mesenchymal stem cells overexpressing CCR1 increases cell viability, migration, engraftment, and capillary density in the injured myocardium. <i>Circulation Research</i> , 2010 , 106, 1753-62	15.7 186
1615	Human cardiac explant-conditioned medium: soluble factors and cardiomyogenic effect on mesenchymal stem cells. 2010 , 235, 1015-24	17
1614	Stem cells in heart failure. 2010 , 12, 642-4	3
1613	Cellular cardiomyoplasty with human amniotic fluid stem cells: in vitro and in vivo studies. 2010 , 16, 1925-36	54
1612	3-dimensional structures to enhance cell therapy and engineer contractile tissue. 2010 , 18, 188-98	23
1611	Human adult vena saphena contains perivascular progenitor cells endowed with clonogenic and proangiogenic potential. 2010 , 121, 1735-45	239
1610	Relative roles of direct regeneration versus paracrine effects of human cardiosphere-derived cells transplanted into infarcted mice. <i>Circulation Research</i> , 2010 , 106, 971-80	15.7 509
1609	Ageing and endothelial progenitor cell release of proangiogenic cytokines. 2010 , 39, 268-72	11
1608	Experience of a rapid access blackout service for older people. 2010 , 39, 265-8	8
1607	Activation of host tissue trophic factors through JAK-STAT3 signaling: a mechanism of mesenchymal stem cell-mediated cardiac repair. 2010 , 299, H1428-38	81
1606	Cardiotonic pills, a compound Chinese medicine, protects ischemia-reperfusion-induced microcirculatory disturbance and myocardial damage in rats. 2010 , 298, H1166-76	53
1605	Paracrine factors released by GATA-4 overexpressed mesenchymal stem cells increase angiogenesis and cell survival. 2010 , 299, H1772-81	114
1604	Identical, similar or different? Learning about immunomodulatory function of mesenchymal stem cells isolated from various mouse tissues: bone marrow, spleen, thymus and aorta wall. 2010 , 22, 551-9	35
1603	Repeated implantation of skeletal myoblast in a swine model of chronic myocardial infarction. 2010 , 31, 1013-21	50
1602	Effects of major human antiprotease alpha-1-antitrypsin on the motility and proliferation of stromal cells from human exfoliated deciduous teeth. 2010 , 5, 633-43	5
1601	Diabetic cardiomyopathy: signaling defects and therapeutic approaches. 2010 , 8, 373-91	45
1600	Transplantation of nonhematopoietic adult bone marrow stem/progenitor cells isolated by p75 nerve growth factor receptor into the penis rescues erectile function in a rat model of cavernous nerve injury. 2010 , 184, 1560-6	79

1599	A collagen-chitosan hydrogel for endothelial differentiation and angiogenesis. 2010 , 16, 3099-109	118
1598	Cell therapy for heart failure: the need for a new therapeutic strategy. 2010 , 8, 1107-26	12
1597	Adult Stem Cell-Based Therapy for the Heart. 2010 , 899-935	
1596	Characterizing functional stem cell-cardiomyocyte interactions. 2010 , 5, 87-105	14
1595	New therapies for the failing heart: trans-genes versus trans-cells. 2010 , 156, 130-5	7
1594	Cell therapy for the treatment of coronary heart disease: a critical appraisal. 2010 , 7, 204-15	208
1593	More insight into mesenchymal stem cells and their effects inside the body. 2010 , 10, 215-30	72
1592	Exosomes/microvesicles as a mechanism of cell-to-cell communication. 2010 , 78, 838-48	831
1591	Magnetic targeting enhances engraftment and functional benefit of iron-labeled cardiosphere-derived cells in myocardial infarction. <i>Circulation Research</i> , 2010 , 106, 1570-81	15.7 208
1590	Mesenchymal stem cells reduce inflammation while enhancing bacterial clearance and improving survival in sepsis. 2010 , 182, 1047-57	515
1589	Mesenchymal stem cell therapy for treatment of cardiovascular disease: helping people sooner or later. 2010 , 19, 1109-20	45
1588	Improving regenerating potential of the heart after myocardial infarction: factor-based approach. 2010 , 86, 461-72	27
1587	Bone marrow stromal cells contribute to bone formation following infusion into femoral cavities of a mouse model of osteogenesis imperfecta. 2010 , 47, 546-55	42
1586	CD31+ T cells represent a functionally distinct vascular T cell phenotype. 2010 , 44, 74-8	24
1585	Preclinical and clinical studies on application of human myoblasts in regeneration of the postinfarction heart. 2010 , 42, 3323-7	
1584	Human embryonic stem cell-derived cardiomyocytes engraft but do not alter cardiac remodeling after chronic infarction in rats. 2010 , 49, 941-9	120
1583	The polymorphism Trp719Arg in the kinesin-like protein 6 is associated with the presence of late outgrowth endothelial progenitor cells in acute myocardial infarction. 2010 , 210, 48-50	11
1582	Adriamycin nephropathy: a failure of endothelial progenitor cell-induced repair. 2010 , 176, 1685-95	74

1581	SDF-1: CXCR4 axis is fundamental for tissue preservation and repair. 2010 , 177, 2166-8		29
1580	Mesenchymal stem cells provide better results than hematopoietic precursors for the treatment of myocardial infarction. 2010 , 55, 2244-53		63
1579	Intracoronary delivery of bone-marrow-derived stem cells. 2010 , 1, 29		27
1578	Mesenchymal stem cells: a new therapeutic tool for AKI. 2010 , 6, 179-83		125
1577	New insights into paracrine mechanisms of human cardiac progenitor cells. 2010 , 12, 730-7		31
1576	Cell treatment after acute myocardial infarction prevents early decline in circulating IGF-1. 2010 , 44, 267-72		3
1575	Biomaterials to enhance stem cell function in the heart. <i>Circulation Research</i> , 2011 , 109, 910-22	15.7	148
1574	Human relevance of pre-clinical studies in stem cell therapy: systematic review and meta-analysis of large animal models of ischaemic heart disease. 2011 , 91, 649-58		172
1573	The business of exploiting induced pluripotent stem cells. 2011 , 366, 2323-8		22
1572	Rhesus monkey cardiosphere-derived cells for myocardial restoration. 2011 , 13, 864-72		13
1571	Re: Transplantation of nonhematopoietic adult bone marrow stem/progenitor cells isolated by p75 nerve growth factor receptor into the penis rescues erectile function in a rat model of cavernous nerve injury. M. Kendirci, L. Trost, B. Bakondi, M. J. Whitney, W. J. G. Hellstrom and J. L. Spees <i>J Urol</i> 2010 ; 184: 1560-1566. 2011 , 185, 1158-9; author reply 1159-61		5
1570	Prolonged hypoxic culture and trypsinization increase the pro-angiogenic potential of human adipose tissue-derived stem cells. 2011 , 13, 318-28		82
1569	Instructive Biomaterials for Myocardial Regeneration and Repair. 2011 , 289-328		
1568	The stuttering progress of cell therapy for heart disease. 2011 , 90, 532-41		70
1567	MicroRNAs and mesenchymal stem cells. 2011 , 87, 291-320		37
1566	Cellular Basis for Myocardial Repair and Regeneration. 2011 , 48-72		1
1565	Autologous mesenchymal stem cells mobilize cKit+ and CD133+ bone marrow progenitor cells and improve regional function in hibernating myocardium. <i>Circulation Research</i> , 2011 , 109, 1044-54	15.7	80
1564	Tissue Engineering in Regenerative Medicine. 2011 ,		5

1563	Regenerating the Heart. 2011 ,	1
1562	Active Implants and Scaffolds for Tissue Regeneration. 2011 ,	11
1561	Progenitors for the corneal endothelium and trabecular meshwork: a potential source for personalized stem cell therapy in corneal endothelial diseases and glaucoma. 2011 , 2011, 412743	61
1560	Stem Cells & Regenerative Medicine. 2011 ,	5
1559	Cell fusion and tissue regeneration. 2011 , 713, 161-75	22
1558	Bioengineering heart muscle: a paradigm for regenerative medicine. 2011 , 13, 245-67	150
1557	Adult Stem Cells. 2011 ,	2
1556	Integration properties of Wharton's jelly-derived novel mesenchymal stem cells into ventricular slices of murine hearts. 2011 , 28, 63-76	23
1555	Autologous bone marrow mononucleated cell preparation for the clinical treatment of acute myocardial infarction and peripheral arterial disease. 2011 , 13, 1031-5	2
1554	The effect of adipose-derived stem cells on augmentation ileocystoplasty: A pilot study. 2011 , 9, 139-45	
1553	Current status of the role of stem cells in myocardial biology and repair. 2011 , 20, 297-301	9
1552	Mesenchymal stem cells: biology, pathophysiology, translational findings, and therapeutic implications for cardiac disease. <i>Circulation Research</i> , 2011 , 109, 923-40	15.7 662
1551	Tumor necrosis factor- α -activated human adipose tissue-derived mesenchymal stem cells accelerate cutaneous wound healing through paracrine mechanisms. 2011 , 131, 1559-67	130
1550	Intracoronary transplantation of genetically modified mesenchymal stem cells, a novel method to close muscular ventricular septal defects. 2011 , 77, 505-7	2
1549	Stem-cell therapy in an experimental model of pulmonary hypertension and right heart failure: role of paracrine and neurohormonal milieu in the remodeling process. 2011 , 30, 1281-93	42
1548	Stem cell therapy for cardiac disease. 2011 , 11, 177-87	24
1547	Stem Cell Therapy to Treat Heart Failure. 2011 , 407-423	1
1546	Paracrine mechanisms of stem cell reparative and regenerative actions in the heart. 2011 , 50, 280-9	346

1545	Mesenchymal stem cells stimulate protective genetic reprogramming of injured cardiac ventricular myocytes. 2011 , 50, 346-56	29
1544	Ex vivo generation of a highly potent population of circulating angiogenic cells using a collagen matrix. 2011 , 51, 187-97	36
1543	Pharmacologic and genetic strategies to enhance cell therapy for cardiac regeneration. 2011 , 51, 619-25	36
1542	Mesenchymal stromal cells affect cardiomyocyte growth through juxtacrine Notch-1/Jagged-1 signaling and paracrine mechanisms: clues for cardiac regeneration. 2011 , 51, 399-408	60
1541	Human embryonic stem cell-derived vascular smooth muscle cells in therapeutic neovascularisation. 2011 , 51, 651-64	42
1540	Large animal models for cardiac stem cell therapies. 2011 , 75, 1416-25	41
1539	Intensified chemotherapy for diffuse large B-cell lymphomas. 2011 , 378, 1828-9	3
1538	SCPIO brings new momentum to cardiac cell therapy. 2011 , 378, 1827-8	22
1537	Randomized Clinical Trials in Stem Cell Therapy for the Heart - Old and New Types of Cells for Cardiovascular Repair. 2011 ,	
1536	Transplantation of Sendai Viral Angiopoietin-1-Modified Mesenchymal Stem Cells for Ischemic Heart Disease. 2011 ,	
1535	Skeletal Regeneration by Mesenchymal Stem Cells: What Else?. 2011 ,	1
1534	Potential clinical applications of adult human mesenchymal stem cell (Prochymal®) therapy. 2011 , 4, 61-72	26
1533	CD34+/M-cadherin+ bone marrow progenitor cells promote arteriogenesis in ischemic hindlimbs of ApoE ^{-/-} mice. 2011 , 6, e20673	14
1532	Histone deacetylase inhibition enhances self renewal and cardioprotection by human cord blood-derived CD34 cells. 2011 , 6, e22158	19
1531	The effects of mechanical stress on the growth, differentiation, and paracrine factor production of cardiac stem cells. 2011 , 6, e28890	46
1530	Current perspective of stem cell therapies for cardiac regeneration. 2011 , 8, 69-82	1
1529	The combined administration of multiple soluble factors in the repair of chronically infarcted rat myocardium. 2011 , 57, 282-6	15
1528	The role of stem cells in cutaneous wound healing: what do we really know?. 2011 , 127 Suppl 1, 10S-20S	44

1527	Role of endothelial progenitor cells in the beneficial effects of physical exercise on atherosclerosis and coronary artery disease. 2011 , 111, 321-8	40
1526	The role of multipotent marrow stromal cells (MSCs) in tissue regeneration. 2011 , 7, 96-100	27
1525	Mesenchymal stromal cells improve renal injury in anti-Thy 1 nephritis by modulating inflammatory cytokines and scatter factors. 2011 , 120, 25-36	22
1524	Transplantation of mature adipocyte-derived dedifferentiated fat (DFAT) cells improves urethral sphincter contractility in a rat model. 2011 , 18, 827-34	40
1523	The low viability of human CD34+ cells under acidic conditions is improved by exposure to thrombopoietin, stem cell factor, interleukin-3, or increased cyclic adenosine monophosphate levels. 2011 , 51, 1784-95	5
1522	Wound healing and regenerative strategies. 2011 , 17, 541-9	47
1521	Transplantation of expanded bone marrow-derived very small embryonic-like stem cells (VSEL-SCs) improves left ventricular function and remodelling after myocardial infarction. 2011 , 15, 1319-28	63
1520	Repair mechanisms of bone marrow mesenchymal stem cells in myocardial infarction. 2011 , 15, 1032-43	96
1519	The epicardium in cardiac repair: from the stem cell view. 2011 , 129, 82-96	71
1518	SDF-1 is a therapeutic stem cell homing factor in myocardial infarction. 2011 , 129, 97-108	162
1517	Pluripotent stem cell differentiation into vascular cells: a novel technology with promises for vascular re(generation). 2011 , 129, 29-49	83
1516	A novel tissue-engineered approach to problems of the postpneumonectomy space. 2011 , 91, 880-6	6
1515	Creation of mouse embryonic stem cell-derived cardiac cell sheets. 2011 , 32, 7355-62	84
1514	Microvesicles derived from human adult mesenchymal stem cells protect against ischaemia-reperfusion-induced acute and chronic kidney injury. 2011 , 26, 1474-83	598
1513	Homing, Survival, and Paracrine Effects of Human Mesenchymal Stem Cells. 2011 , 83-109	
1512	Mesenchymal stem cells for cardiovascular regeneration. 2011 , 25, 349-62	36
1511	Cell proliferation and neuroblast differentiation in the rat dentate gyrus after intrathecal treatment with adipose-derived mesenchymal stem cells. 2011 , 31, 1271-80	9
1510	Secretome of apoptotic peripheral blood cells (APOSEC) confers cytoprotection to cardiomyocytes and inhibits tissue remodelling after acute myocardial infarction: a preclinical study. 2011 , 106, 1283-97	70

1509	Novel therapy for myocardial infarction: can HGF/Met be beneficial?. 2011 , 68, 1703-17	30
1508	Cardiac cell therapy: the next (re)generation. 2011 , 7, 1018-30	26
1507	Stem cell update: highlights from the 2010 Lugano Stem Cell Meeting. 2011 , 4, 192-9	0
1506	Constitutive HIF-1 α expression blunts the beneficial effects of cardiosphere-derived cell therapy in the heart by altering paracrine factor balance. 2011 , 4, 363-72	15
1505	Bioengineering the infarcted heart by applying bio-inspired materials. 2011 , 4, 559-74	26
1504	Sensing the cardiac environment: exploiting cues for regeneration. 2011 , 4, 616-30	12
1503	Personalized cardiac regeneration by stem cells-Hype or hope?. 2011 , 2, 119-30	3
1502	Stem cell therapy for incontinence: where are we now? What is the realistic potential?. 2011 , 12, 336-44	18
1501	Predictive integration of gene functional similarity and co-expression defines treatment response of endothelial progenitor cells. 2011 , 5, 46	7
1500	Cardiomyopathy of Duchenne muscular dystrophy: current understanding and future directions. 2011 , 44, 8-19	119
1499	Stem and progenitor cells for neurological repair: minor issues, major hurdles, and exciting opportunities for paracrine-based therapeutics. 2011 , 112, 374-80	31
1498	Co-culture of mesenchymal-like stromal cells derived from human foreskin permits long term propagation and differentiation of human embryonic stem cells. 2011 , 112, 1353-63	29
1497	Adult stem cells in the treatment of acute myocardial infarction. 2011 , 77, 72-83	8
1496	The promotion of myocardial repair by the sequential delivery of IGF-1 and HGF from an injectable alginate biomaterial in a model of acute myocardial infarction. 2011 , 32, 565-78	233
1495	Amniotic liquid derived stem cells as reservoir of secreted angiogenic factors capable of stimulating neo-arteriogenesis in an ischemic model. 2011 , 32, 3689-99	87
1494	Myocardial therapeutic angiogenesis: a review of the state of development and future obstacles. 2011 , 9, 1469-79	23
1493	Intracoronary infusion of mononuclear cells from bone marrow or peripheral blood compared with standard therapy in patients after acute myocardial infarction treated by primary percutaneous coronary intervention: results of the randomized controlled HEBE trial. 2011 , 32, 1736-47	174
1492	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. 2011 , 300, H2238-50	65

1491	Complementary therapeutic effects of dual delivery of insulin-like growth factor-1 and vascular endothelial growth factor by gelatin microspheres in experimental heart failure. 2011 , 13, 1264-74	44
1490	Microfluidic devices for studying heterotypic cell-cell interactions and tissue specimen cultures under controlled microenvironments. 2011 , 5, 13406	108
1489	SDF-1 β secreted by human CD133-derived multipotent stromal cells promotes neural progenitor cell survival through CXCR7. 2011 , 20, 1021-9	40
1488	Potential benefits of allogeneic bone marrow mesenchymal stem cells for wound healing. 2011 , 11, 1447-54	30
1487	Conditional transgenic expression of fibroblast growth factor 9 in the adult mouse heart reduces heart failure mortality after myocardial infarction. 2011 , 123, 504-14	48
1486	Induced adipocyte cell-sheet ameliorates cardiac dysfunction in a mouse myocardial infarction model: a novel drug delivery system for heart failure. 2011 , 124, S10-7	51
1485	Endothelial fate and angiogenic properties of human CD34+ progenitor cells in zebrafish. 2011 , 31, 1589-97	27
1484	Bone marrow stem cell derived paracrine factors for regenerative medicine: current perspectives and therapeutic potential. 2011 , 2011, 207326	102
1483	Cardiac cell therapy: where we've been, where we are, and where we should be headed. 2011 , 98, 161-85	150
1482	Wnt1 is a proangiogenic molecule, enhances human endothelial progenitor function, and increases blood flow to ischemic limbs in a HGF-dependent manner. 2011 , 25, 1836-43	27
1481	Cell-based cardiovascular repair and regeneration in acute myocardial infarction and chronic ischemic cardiomyopathy-current status and future developments. 2011 , 55, 407-17	42
1480	Placental stem cells pre-treated with a hyaluronan mixed ester of butyric and retinoic acid to cure infarcted pig hearts: a multimodal study. 2011 , 90, 546-56	53
1479	VEGF/SDF-1 promotes cardiac stem cell mobilization and myocardial repair in the infarcted heart. 2011 , 91, 402-11	185
1478	Multipotent adult progenitor cells prevent macrophage-mediated axonal dieback and promote regrowth after spinal cord injury. 2011 , 31, 944-53	121
1477	Developmental and regenerative biology of multipotent cardiovascular progenitor cells. <i>Circulation Research</i> , 2011 , 108, 353-64	15.7 69
1476	Amniotic fluid stem cells are cardioprotective following acute myocardial infarction. 2011 , 20, 1985-94	94
1475	Intramuscular VEGF activates an SDF1-dependent progenitor cell cascade and an SDF1-independent muscle paracrine cascade for cardiac repair. 2011 , 301, H2422-32	21
1474	Imaging: guiding the clinical translation of cardiac stem cell therapy. <i>Circulation Research</i> , 2011 , 109, 962-79	15.7 84

1473	Activation of cardiomyocytes depending on their proximity to human bone marrow stem cells. 2011 , 59, 78-84	3
1472	Bone marrow cells repair cigarette smoke-induced emphysema in rats. 2011 , 301, L255-66	105
1471	Gene and cytokine therapy for heart failure: molecular mechanisms in the improvement of cardiac function. 2012 , 303, H501-12	14
1470	Ultrastructural evidence of exosome secretion by progenitor cells in adult mouse myocardium and adult human cardiospheres. 2012 , 2012, 354605	54
1469	Mesenchymal stem cell transplantation improves regional cardiac remodeling following ovine infarction. 2012 , 1, 685-95	32
1468	Mesenchymal stem cell transplantation for the infarcted heart: a role in minimizing abnormalities in cardiac-specific energy metabolism. 2012 , 302, E163-72	13
1467	Optical mapping of cryoinjured rat myocardium grafted with mesenchymal stem cells. 2012 , 302, H270-7	16
1466	Stimulation of skin and wound fibroblast migration by mesenchymal stem cells derived from normal donors and chronic wound patients. 2012 , 1, 221-9	65
1465	Endothelial cardiac cell therapy: large-animal studies and the elephant in the room. <i>Circulation Research</i> , 2012 , 111, 824-6	15.7 1
1464	Preservation of myocardial structure is enhanced by pim-1 engineering of bone marrow cells. <i>Circulation Research</i> , 2012 , 111, 77-86	15.7 38
1463	Cell therapy limits myofibroblast differentiation and structural cardiac remodeling: basic fibroblast growth factor-mediated paracrine mechanism. 2012 , 5, 349-56	27
1462	Activation of growth hormone releasing hormone (GHRH) receptor stimulates cardiac reverse remodeling after myocardial infarction (MI). 2012 , 109, 559-63	48
1461	Bone marrow mesenchymal progenitor and stem cell biology and therapy. 2012 , 345-390	
1460	Human skeletal muscle cells with a slow adhesion rate after isolation and an enhanced stress resistance improve function of ischemic hearts. 2012 , 20, 138-45	17
1459	Amniotic mesenchymal stem cells have robust angiogenic properties and are effective in treating hindlimb ischaemia. 2012 , 93, 525-34	63
1458	Cardiac regeneration: stem cells and beyond. 2012 , 19, 5993-6002	5
1457	Encapsulated glucagon-like peptide-1-producing mesenchymal stem cells have a beneficial effect on failing pig hearts. 2012 , 1, 759-69	26
1456	CD166(pos) subpopulation from differentiated human ES and iPS cells support repair of acute lung injury. 2012 , 20, 2335-46	18

1455	Role of GATA-4 in differentiation and survival of bone marrow mesenchymal stem cells. 2012 , 111, 217-41	12
1454	Cardiac Tissue Engineering: Principles, Materials, and Applications. 2012 , 4, 1-200	15
1453	Induction of cardiomyogenesis in human embryonic stem cells by human embryonic stem cell-derived definitive endoderm. 2012 , 21, 987-94	3
1452	Progenitor cell mobilization and recruitment: SDF-1, CXCR4, β -integrin, and c-kit. 2012 , 111, 243-64	52
1451	Activation of Toll-like receptor 3 amplifies mesenchymal stem cell trophic factors and enhances therapeutic potency. 2012 , 303, C1021-33	57
1450	Optimized preparation method of platelet-concentrated plasma and noncoagulating platelet-derived factor concentrates: maximization of platelet concentration and removal of fibrinogen. 2012 , 18, 176-85	105
1449	Myocyte-depleted engineered cardiac tissues support therapeutic potential of mesenchymal stem cells. 2012 , 18, 1322-33	38
1448	Bioenergetic and functional consequences of cellular therapy: activation of endogenous cardiovascular progenitor cells. <i>Circulation Research</i> , 2012 , 111, 455-68	15:7 74
1447	Safety and efficacy of allogeneic cell therapy in infarcted rats transplanted with mismatched cardiosphere-derived cells. 2012 , 125, 100-12	218
1446	Concise review: bone marrow mononuclear cells for the treatment of ischemic syndromes: medicinal product or cell transplantation?. 2012 , 1, 403-8	50
1445	Early-outgrowth bone marrow cells attenuate renal injury and dysfunction via an antioxidant effect in a mouse model of type 2 diabetes. 2012 , 61, 2114-25	29
1444	The heme oxygenase 1 inducer (CoPP) protects human cardiac stem cells against apoptosis through activation of the extracellular signal-regulated kinase (ERK)/NRF2 signaling pathway and cytokine release. 2012 , 287, 33720-32	84
1443	Role of A2B adenosine receptors in regulation of paracrine functions of stem cell antigen 1-positive cardiac stromal cells. 2012 , 341, 764-74	26
1442	WITHDRAWN: Molecular Characteristics of Bone Marrow Mesenchymal Stem Cells: An Appealing Source for Regenerative Medicine. 2012 ,	
1441	Secondary sphere formation enhances the functionality of cardiac progenitor cells. 2012 , 20, 1750-66	27
1440	Thymosin β protein therapy for cardiac repair. 2012 , 18, 799-806	13
1439	Editorial: the evolution of cell therapy towards enhancing vascular regeneration in the clinic. 2012 , 10, 269-70	
1438	Introduction to Cardiac Disease. 2012 , 1-10	

1437	Repopulation of the Heart with New Cardiomyocytes. 2012 , 105-217	2
1436	Treatment of reperfused ischemia with adipose-derived stem cells in a preclinical Swine model of myocardial infarction. 2012 , 21, 2723-33	72
1435	Adipose-derived stromal cells accelerate wound healing in an organotypic raft culture model. 2012 , 68, 501-4	38
1434	Endothelial progenitor cells: current development of their paracrine factors in cardiovascular therapy. 2012 , 59, 387-96	30
1433	Exercise training restores the endothelial progenitor cells number and function in hypertension: implications for angiogenesis. 2012 , 30, 2133-43	54
1432	Regulation of cardiac microRNAs by bone marrow mononuclear cell therapy in myocardial infarction. 2012 , 125, 1765-73, S1-7	64
1431	Cell-based therapy for prevention and reversal of myocardial remodeling. 2012 , 303, H256-70	66
1430	Cardiokines: recent progress in elucidating the cardiac secretome. 2012 , 126, e327-32	83
1429	Concise review: role of mesenchymal stem cells in wound repair. 2012 , 1, 142-9	500
1428	Intercellular cytosolic transfer correlates with mesenchymal stromal cell rescue of umbilical cord blood cell viability during ex vivo expansion. 2012 , 14, 1064-79	11
1427	Kidney protection and regeneration following acute injury: progress through stem cell therapy. 2012 , 60, 1012-22	99
1426	The promise and perils of stem cell therapeutics. 2012 , 10, 740-749	192
1425	Excitation-contraction coupling in ventricular myocytes is enhanced by paracrine signaling from mesenchymal stem cells. 2012 , 52, 1249-56	27
1424	Cellular cardiomyoplasty: current state of the field. 2012 , 7, 571-82	14
1423	N-cadherin determines individual variations in the therapeutic efficacy of human umbilical cord blood-derived mesenchymal stem cells in a rat model of myocardial infarction. 2012 , 20, 155-67	43
1422	Molecular imaging of mesenchymal stem cell: mechanistic insight into cardiac repair after experimental myocardial infarction. 2012 , 5, 94-101	24
1421	Investigating the secretome: lessons about the cells that comprise the heart. 2012 , 5, o8-o18	44
1420	Feasibility, safety, and therapeutic efficacy of human induced pluripotent stem cell-derived cardiomyocyte sheets in a porcine ischemic cardiomyopathy model. 2012 , 126, S29-37	343

1419	MiR-499 induces cardiac differentiation of rat mesenchymal stem cells through wnt/ β -catenin signaling pathway. 2012 , 420, 875-81	50
1418	The role of stem cells in the treatment of diabetic foot ulcers. 2012 , 96, 1-9	65
1417	Novel avenues for cell therapy in acute myocardial infarction. <i>Circulation Research</i> , 2012 , 110, 195-7	15.7 10
1416	Molecular pathogenesis of myocardial remodeling and new potential therapeutic targets in chronic heart failure. 2012 , 38, 41	25
1415	From ontogenesis to regeneration: learning how to instruct adult cardiac progenitor cells. 2012 , 111, 109-37	21
1414	Living cardiac patch: the elixir for cardiac regeneration. 2012 , 12, 1623-40	59
1413	Cell fusion contributes to the rescue of apoptotic cardiomyocytes by bone marrow cells. 2012 , 16, 3085-95	19
1412	Preclinical animal models for testing iPSC/ESC-based heart therapy. 2012 , 9, e229-e236	1
1411	Direct comparison of different stem cell types and subpopulations reveals superior paracrine potency and myocardial repair efficacy with cardiosphere-derived cells. 2012 , 59, 942-53	370
1410	Genetic modification of human adipose-derived stem cells for promoting wound healing. 2012 , 66, 98-107	40
1409	Differentiating multipotent mesenchymal stromal cells generate factors that exert paracrine activities on exogenous MSCs: Implications for paracrine activities in bone regeneration. 2012 , 426, 475-9	25
1408	Cell therapy for left ventricular dysfunction: an overview for cardiac clinicians. 2012 , 21, 532-42	12
1407	Effects of Rehmannia glutinosa oligosaccharide on human adipose-derived mesenchymal stem cells in vitro. 2012 , 91, 1323-7	10
1406	A degradable, bioactive, gelatinized alginate hydrogel to improve stem cell/growth factor delivery and facilitate healing after myocardial infarction. 2012 , 79, 673-7	9
1405	Mesenchymal stem cell therapy and lung diseases. 2013 , 130, 105-29	20
1404	Isolation, characterization and differentiation potential of cardiac progenitor cells in adult pigs. 2012 , 8, 706-19	4
1403	Optimizing cardiac repair and regeneration through activation of the endogenous cardiac stem cell compartment. 2012 , 5, 667-77	27
1402	Cardiomyocyte progenitors in a canine pulmonary vein model of persistent atrial fibrillation. 2012 , 60, 242-7	5

1401	Heart to heart: cardiospheres for myocardial regeneration. 2012 , 9, 1727-31	27
1400	Development of a surrogate angiogenic potency assay for clinical-grade stem cell production. 2012 , 14, 994-1004	50
1399	Advances in Stem Cell Research. 2012 ,	1
1398	Cardiospheres and cardiosphere-derived cells as therapeutic agents following myocardial infarction. 2012 , 10, 1185-94	36
1397	Nicotine: specific role in angiogenesis, proliferation and apoptosis. 2012 , 42, 68-89	85
1396	Secretome of apoptotic peripheral blood cells (APOSEC) attenuates microvascular obstruction in a porcine closed chest reperfused acute myocardial infarction model: role of platelet aggregation and vasodilation. 2012 , 107, 292	30
1395	Cellular Therapy for the Infarcted Myocardium. 2012 , 341-390	0
1394	Novel mechanism for mesenchymal stem cells in attenuating peritoneal adhesion: accumulating in the lung and secreting tumor necrosis factor β -stimulating gene-6. 2012 , 3, 51	27
1393	A comparison of the efficacy of transplantation of bone marrow-derived mesenchymal stem cells and unrestricted somatic stem cells on outcome after acute myocardial infarction. 2012 , 3, 36	18
1392	Long-term effects of autologous bone marrow stem cell treatment in acute myocardial infarction: factors that may influence outcomes. 2012 , 7, e37373	51
1391	Suicide gene reveals the myocardial neovascularization role of mesenchymal stem cells overexpressing CXCR4 (MSC(CXCR4)). 2012 , 7, e46158	24
1390	Embryonic stem cell-derived microvesicles induce gene expression changes in Müller cells of the retina. 2012 , 7, e50417	63
1389	Anti-thymocyte globulin induces neoangiogenesis and preserves cardiac function after experimental myocardial infarction. 2012 , 7, e52101	13
1388	Mesenchymal stem cells enhance the differentiation of c-kit ⁺ cardiac stem cells. 2012 , 17, 1323-8	2
1387	Heart regeneration. 2012 , 4, 301-314	
1386	The role of neuregulin/ErbB2/ErbB4 signaling in the heart with special focus on effects on cardiomyocyte proliferation. 2012 , 302, H2139-47	88
1385	Vascular incorporation of endothelial colony-forming cells is essential for functional recovery of murine ischemic tissue following cell therapy. 2012 , 32, e13-21	89
1384	Targets and delivery methods for therapeutic angiogenesis in peripheral artery disease. 2012 , 17, 174-92	49

1383	Paracrine effect of Wnt11-overexpressing mesenchymal stem cells on ischemic injury. 2012 , 21, 598-608	41
1382	Microfluidic single-cell analysis shows that porcine induced pluripotent stem cell-derived endothelial cells improve myocardial function by paracrine activation. <i>Circulation Research</i> , 2012 , 111, 882-93	15.7 90
1381	Cardiac stem cells in patients with ischemic cardiomyopathy: discovery, translation, and clinical investigation. 2012 , 14, 491-503	9
1380	Human adipose tissue-derived stem cells protect impaired cardiomyocytes from hypoxia/reoxygenation injury through hypoxia-induced paracrine mechanism. 2012 , 30, 505-14	21
1379	Harnessing the mesenchymal stem cell secretome for the treatment of cardiovascular disease. 2012 , 10, 244-58	622
1378	Local injections of adipose-derived mesenchymal stem cells modulate inflammation and increase angiogenesis ameliorating the dystrophic phenotype in dystrophin-deficient skeletal muscle. 2012 , 8, 363-74	66
1377	New perspectives of tissue remodelling with neural stem and progenitor cell-based therapies. 2012 , 349, 321-9	53
1376	Hematopoietic progenitor cells are innate Th2 cytokine-producing cells. 2012 , 67, 4-9	14
1375	Mesenchymal stem cell therapy following muscle trauma leads to improved muscular regeneration in both male and female rats. 2012 , 9, 129-36	21
1374	Exploiting extracellular matrix-stem cell interactions: a review of natural materials for therapeutic muscle regeneration. 2012 , 33, 428-43	79
1373	Vascularization and restoration of heart function in rat myocardial infarction using transplantation of human cbMSC/HUVEC core-shell bodies. 2012 , 33, 2127-36	26
1372	Injectable PLGA porous beads cellularized by hAFSCs for cellular cardiomyoplasty. 2012 , 33, 4069-77	54
1371	Combining adult stem cells and polymeric devices for tissue engineering in infarcted myocardium. 2012 , 33, 5683-95	84
1370	The electrical stimulation of carbon nanotubes to provide a cardiomimetic cue to MSCs. 2012 , 33, 6132-9	163
1369	Multipotent stromal cell therapy for cavernous nerve injury-induced erectile dysfunction. 2012 , 9, 385-403	54
1368	Secretome analysis of atherosclerotic and non-atherosclerotic arteries reveals dynamic extracellular remodeling during pathogenesis. 2012 , 75, 2960-71	49
1367	Mesenchymal stem cell therapy for heart disease. 2012 , 57, 48-55	117
1366	Cardiac cell therapy: boosting mesenchymal stem cells effects. 2013 , 9, 266-80	52

1365	Optimization of the cardiovascular therapeutic properties of mesenchymal stromal/stem cells-taking the next step. 2013 , 9, 281-302	26
1364	VEGF overexpression improves mesenchymal stem cell sheet transplantation therapy for acute myocardial infarction. 2013 , 7, 742-750	8
1363	Clinical study using adipose-derived mesenchymal-like stem cells in acute myocardial infarction and heart failure. 2013 , 1036, 207-12	32
1362	Cellular Cardiomyoplasty. 2013 ,	1
1361	Biomimetic materials and scaffolds for myocardial tissue regeneration. 2013 , 13, 984-1019	73
1360	Concise review: Engineering myocardial tissue: the convergence of stem cells biology and tissue engineering technology. 2013 , 31, 2587-98	35
1359	Vascular endothelial growth factor in heart failure. 2013 , 10, 519-30	148
1358	Therapy for the Coronary Circulation. 2013 , 247-266	
1357	Early outgrowth cells release soluble endocrine antifibrotic factors that reduce progressive organ fibrosis. 2013 , 31, 2408-19	21
1356	Impaired cardioprotective function of transplantation of mesenchymal stem cells from patients with diabetes mellitus to rats with experimentally induced myocardial infarction. 2013 , 12, 40	33
1355	Stem cell therapy for heart disease. 2013 , 28, 1353-63	13
1354	Diabetes-associated macrovascular complications: cell-based therapy a new tool?. 2013 , 44, 557-75	13
1353	The non-coding road towards cardiac regeneration. 2013 , 6, 909-23	10
1352	Stem Cells and Cancer Stem Cells, Volume 10. 2013 ,	
1351	Cell based therapy in Parkinsonism. 2013 , 2, 13	4
1350	Human embryonic stem cells-derived endothelial cell therapy facilitates kidney regeneration by stimulating renal resident stem cell proliferation in acute kidney injury. 2013 , 58, 2820-2827	7
1349	Coronary Vasculature. 2013 ,	11
1348	Mesenchymal stem cell therapy improves diabetic cardiac autonomic neuropathy and decreases the inducibility of ventricular arrhythmias. 2013 , 22, 1018-25	14

1347	Overexpression of miR-126 promotes the differentiation of mesenchymal stem cells toward endothelial cells via activation of PI3K/Akt and MAPK/ERK pathways and release of paracrine factors. 2013 , 394, 1223-33	39
1346	Current outlook of cardiac stem cell therapy towards a clinical application. 2013 , 99, 1772-84	14
1345	Bone marrow-derived mesenchymal stem cells enhance angiogenesis via their α_1 integrin receptor. 2013 , 319, 2964-76	50
1344	Developing stem cell therapeutics for the heart also requires targeting non-myocytes. 2013 , 22, 975-9	
1343	Atorvastatin: an efficient step forward in mesenchymal stem cell therapy of diabetic retinopathy. 2013 , 15, 263-6	11
1342	Concise review: stem/progenitor cells for renal tissue repair: current knowledge and perspectives. 2013 , 2, 1011-9	36
1341	Therapeutic angiogenesis of three-dimensionally cultured adipose-derived stem cells in rat infarcted hearts. 2013 , 15, 542-56	31
1340	Mesenchymal stem cell transplantation for the infarcted heart: therapeutic potential for insulin resistance beyond the heart. 2013 , 12, 128	15
1339	Anticonvulsant activity of bone marrow cells in electroconvulsive seizures in mice. 2013 , 14, 97	2
1338	Stem cells and molecular advances in the treatment of facial skin. 2013 , 21, 77-80	1
1337	Novel aspects of parenchymal-mesenchymal interactions: from cell types to molecules and beyond. 2013 , 31, 271-80	21
1336	Hypoxia-induced therapeutic neovascularization in a mouse model of an ischemic limb using cell aggregates composed of HUVECs and cbMSCs. 2013 , 34, 9441-50	30
1335	Bio-inspired Immobilization of Cell-Adhesive Ligands on Electrospun Nanofibrous Patches for Cell Delivery. 2013 , 298, 555-564	26
1334	Cord lining-mesenchymal stem cells graft supplemented with an omental flap induces myocardial revascularization and ameliorates cardiac dysfunction in a rat model of chronic ischemic heart failure. 2013 , 19, 1303-15	22
1333	Durable scar size reduction due to allogeneic mesenchymal stem cell therapy regulates whole-chamber remodeling. 2013 , 2, e000140	56
1332	Stem cells catalyze cartilage formation by neonatal articular chondrocytes in 3D biomimetic hydrogels. 2013 , 3, 3553	65
1331	Antagonist molecules in the treatment of angina. 2013 , 14, 2323-42	9
1330	Engineering stem cells for future medicine. 2013 , 60, 727-34	12

1329	The increase of VEGF secretion from endothelial progenitor cells post ultrasonic VEGF gene delivery enhances the proliferation and migration of endothelial cells. 2013 , 39, 134-45	7
1328	Enhanced effect of combining human cardiac stem cells and bone marrow mesenchymal stem cells to reduce infarct size and to restore cardiac function after myocardial infarction. 2013 , 127, 213-23	33 ¹
1327	Cardiac stem cells and their roles in myocardial infarction. 2013 , 9, 326-38	31
1326	Mesenchymal Stem Cell Therapy for Heart Disease. 2013 , 241-270	4
1325	A physiological role for connective tissue growth factor in early wound healing. 2013 , 93, 81-95	55
1324	70th Birthday symposium of Prof. Dr. Riederer: autologous adult stem cells in ischemic and traumatic CNS disorders. 2013 , 120, 91-102	4
1323	Autologous stem cells in neurology: is there a future?. 2013 , 120, 65-73	6
1322	Resultados clínicos de las técnicas regenerativas en medicina cardiovascular. 2013 , 13, 81-91	
1321	Fetal membranes as a source of stem cells. 2013 , 58, 185-95	31
1320	Allogeneic cardiospheres safely boost cardiac function and attenuate adverse remodeling after myocardial infarction in immunologically mismatched rat strains. 2013 , 61, 1108-19	70
1319	Adenosine A2B receptors on cardiac stem cell antigen (Sca)-1-positive stromal cells play a protective role in myocardial infarction. 2013 , 183, 665-72	11
1318	Impact of timing and dose of mesenchymal stromal cell therapy in a preclinical model of acute myocardial infarction. 2013 , 19, 342-53	39
1317	A preliminary approach to the repair of myocardial infarction using adipose tissue-derived stem cells encapsulated in magnetic resonance-labelled alginate microspheres in a porcine model. 2013 , 84, 29-39	34
1316	Pericytes from human veins for treatment of myocardial ischemia. 2013 , 23, 66-70	19
1315	Modulation of glucose and lipid metabolism by porcine adiponectin receptor 1-transgenic mesenchymal stromal cells in diet-induced obese mice. 2013 , 15, 971-8	8
1314	Potential benefits of cell therapy in coronary heart disease. 2013 , 62, 267-76	16
1313	Cardiomyocyte-specific overexpression of human stem cell factor protects against myocardial ischemia and reperfusion injury. 2013 , 168, 3486-94	9
1312	Molecular characteristics of bone marrow mesenchymal stem cells, source of regenerative medicine. 2013 , 163, 125-31	19

1311	Cardiopoietry in motion: primed mesenchymal stem cells for ischemic cardiomyopathy. 2013 , 61, 2339-40	13
1310	The contribution of stem cell therapy to skeletal muscle remodeling in heart failure. 2013 , 168, 2014-21	14
1309	Augmenting endothelial repair in diabetes: role of bone marrow-derived cells. 2013 , 37, 315-8	6
1308	The cardiac atrial appendage stem cell: a new and promising candidate for myocardial repair. 2013 , 97, 413-23	48
1307	Endothelial progenitor cells derived from Wharton's jelly of the umbilical cord reduces ischemia-induced hind limb injury in diabetic mice by inducing HIF-1 α -L-8 expression. 2013 , 22, 1408-18	28
1306	Hypoxic preconditioning enhances the therapeutic potential of the secretome from cultured human mesenchymal stem cells in experimental traumatic brain injury. 2013 , 124, 165-76	185
1305	Molecular characterization of heterogeneous mesenchymal stem cells with single-cell transcriptomes. 2013 , 31, 312-7	35
1304	Mesenchymal stem cell-derived exosomes increase ATP levels, decrease oxidative stress and activate PI3K/Akt pathway to enhance myocardial viability and prevent adverse remodeling after myocardial ischemia/reperfusion injury. 2013 , 10, 301-12	748
1303	Human pericytes for ischemic heart repair. 2013 , 31, 305-16	179
1302	Perspective and challenges of mesenchymal stem cells for cardiovascular regeneration. 2013 , 11, 505-17	39
1301	Current status of cell-based therapy for heart failure. 2013 , 10, 165-76	26
1300	Adipose-derived stem cells promote angiogenesis and tissue formation for in vivo tissue engineering. 2013 , 19, 1327-35	78
1299	Intracellular aggregation of multimodal silica nanoparticles for ultrasound-guided stem cell implantation. 2013 , 5, 177ra35	77
1298	Recent advancements in tissue engineering for stem cell-based cardiac therapies. 2013 , 4, 503-16	15
1297	How stem cells speak with host immune cells in inflammatory brain diseases. 2013 , 61, 1379-401	96
1296	Allogeneic lethally irradiated cord blood mononuclear cells in no-option critical limb ischemia: a "box of rain". 2013 , 22, 2806-12	17
1295	Gastro-intestinal autoimmunity: preclinical experiences and successful therapy of fistulizing bowel diseases and gut Graft versus host disease by mesenchymal stromal cells. 2013 , 56, 241-8	23
1294	Stem cell stimulation of endogenous myocyte regeneration. 2013 , 125, 109-19	21

1293	When Stemness Meets Engineering: Towards Niche-Control of Stem Cell Functions for Enhanced Cardiovascular Regeneration. 2013 , 457-473	
1292	Regenerative medicine primer. 2013 , 88, 766-75	32
1291	Mesenchymal Stem Cell Survival in Infarcted Myocardium: Adhesion and Anti-death Signals. 2013 , 35-43	6
1290	Three-dimensional cell aggregates composed of HUVECs and cbMSCs for therapeutic neovascularization in a mouse model of hindlimb ischemia. 2013 , 34, 1995-2004	38
1289	Transplantation of mesenchymal stem cells promotes tissue regeneration in a glaucoma model through laser-induced paracrine factor secretion and progenitor cell recruitment. 2013 , 31, 1136-48	95
1288	Characterization of ion currents of murine CD117(pos) stem cells in vitro and their modulation under AT2 R stimulation. 2013 , 208, 274-87	3
1287	High-throughput secretomic analysis of single cells to assess functional cellular heterogeneity. 2013 , 85, 2548-56	122
1286	Biochemistry and biology: heart-to-heart to investigate cardiac progenitor cells. 2013 , 1830, 2459-69	6
1285	Optimized hyaluronic acid-hydrogel design and culture conditions for preservation of mesenchymal stem cell properties. 2013 , 19, 288-98	19
1284	Image-guided therapies for myocardial repair: concepts and practical implementation. 2013 , 14, 741-51	13
1283	Increased expression of pigment epithelium-derived factor in aged mesenchymal stem cells impairs their therapeutic efficacy for attenuating myocardial infarction injury. 2013 , 34, 1681-90	44
1282	Human salivary gland stem cells ameliorate hyposalivation of radiation-damaged rat salivary glands. 2013 , 45, e58	50
1281	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF- β signaling. 2013 , 84, 297-307	88
1280	Stromal cell-derived factor-1 receptor CXCR4-overexpressing bone marrow mesenchymal stem cells accelerate wound healing by migrating into skin injury areas. 2013 , 15, 206-15	51
1279	Mesenchymal stem cell therapy for cardiac inflammation: immunomodulatory properties and the influence of toll-like receptors. 2013 , 2013, 181020	73
1278	Sericin enhances the bioperformance of collagen-based matrices preseeded with human-adipose derived stem cells (hADSCs). 2013 , 14, 1870-89	33
1277	Single-cell protein secretomic signatures as potential correlates to tumor cell lineage evolution and cell-cell interaction. 2013 , 3, 10	6
1276	Mechanistic molecular imaging of cardiac cell therapy for ischemic heart disease. 2013 , 305, H947-59	6

1275	Bone-derived stem cells repair the heart after myocardial infarction through transdifferentiation and paracrine signaling mechanisms. <i>Circulation Research</i> , 2013 , 113, 539-52	15.7	131
1274	The Necessity of a Systematic Approach for the Use of MSCs in the Clinical Setting. 2013 , 2013, 892340		14
1273	Transplantation of mesenchymal cells rejuvenated by the overexpression of telomerase and myocardin promotes revascularization and tissue repair in a murine model of hindlimb ischemia. <i>Circulation Research</i> , 2013 , 113, 902-14	15.7	72
1272	Molecular targets of current and prospective heart failure therapies. 2013 , 99, 992-1003		15
1271	Cell therapy for heart failure: a comprehensive overview of experimental and clinical studies, current challenges, and future directions. <i>Circulation Research</i> , 2013 , 113, 810-34	15.7	429
1270	The existence of myocardial repair: mechanistic insights and enhancements. 2013 , 21, 111-20		10
1269	Wharton's jelly-derived mesenchymal stem cells promote myocardial regeneration and cardiac repair after miniswine acute myocardial infarction. 2013 , 24, 549-58		52
1268	MicroRNA-16 affects key functions of human endothelial progenitor cells. 2013 , 93, 645-55		33
1267	The Regenerative Role of the Fetal and Adult Stem Cell Secretome. 2013 , 2, 302-27		46
1266	Serum from hepatectomized rats induces the differentiation of adipose tissue mesenchymal stem cells into hepatocyte-like cells and upregulates the expression of hepatocyte growth factor and interleukin-6 in vitro. 2013 , 31, 667-75		12
1265	Short-term intermittent administration of CXCR4 antagonist AMD3100 facilitates myocardial repair in experimental myocardial infarction. 2013 , 45, 561-9		13
1264	An intercellular polyamine transfer via gap junctions regulates proliferation and response to stress in epithelial cells. 2013 , 24, 1529-43		15
1263	Molecular imaging of the paracrine proangiogenic effects of progenitor cell therapy in limb ischemia. 2013 , 127, 710-9		51
1262	At a crossroad: cell therapy for cardiac repair. <i>Circulation Research</i> , 2013 , 112, 884-90	15.7	20
1261	Thymosin β increases the potency of transplanted mesenchymal stem cells for myocardial repair. 2013 , 128, S32-41		51
1260	Inflammatory dilated cardiomyopathy in Abcg5-deficient mice. 2013 , 41, 880-92		8
1259	Noninvasive imaging of myocyte apoptosis following application of a stem cell-engineered delivery platform to acutely infarcted myocardium. 2013 , 54, 977-83		15
1258	Beneficial effect of mechanical stimulation on the regenerative potential of muscle-derived stem cells is lost by inhibiting vascular endothelial growth factor. 2013 , 33, 2004-12		27

1257	Co-transplantation of bone marrow-derived endothelial progenitor cells improves revascularization and organization in islet grafts. 2013 , 13, 1429-40	38
1256	Transplantation of bone marrow-derived mesenchymal stem cells promotes delayed wound healing in diabetic rats. 2013 , 2013, 647107	42
1255	Positron emission tomography-computer tomography scan used as a monitoring tool following cellular therapy in cerebral palsy and mental retardation-a case report. 2013 , 2013, 141983	6
1254	Cellular Transplantation Alters the Disease Progression in Becker's Muscular Dystrophy. 2013 , 2013, 909328	7
1253	Dissection of the human multipotent adult progenitor cell secretome by proteomic analysis. 2013 , 2, 745-57	25
1252	Kidney regeneration by non-platelet RNA-containing particle-derived cells. 2013 , 40, 724-34	1
1251	Perivascular delivery of encapsulated mesenchymal stem cells improves postischemic angiogenesis via paracrine activation of VEGF-A. 2013 , 33, 1872-80	54
1250	Platelet rich plasma clot releasate preconditioning induced PI3K/AKT/NFB signaling enhances survival and regenerative function of rat bone marrow mesenchymal stem cells in hostile microenvironments. 2013 , 22, 3236-51	31
1249	Cortical bone-derived stem cells: a novel class of cells for myocardial protection. <i>Circulation Research</i> , 2013 , 113, 480-3	15:7 7
1248	Immuno-DNA-directed Assembly of Heterotypic Multicellular Systems. 2013 , 42, 512-514	
1247	Cardiac stem cells: A promising treatment option for heart failure. 2013 , 5, 379-383	7
1246	Cellular Properties of Mesenchymal Cells Derived from the Decidua of Human Term Placenta and Their Applications in Regenerative Medicine. 2013 , 240-260	1
1245	Pretreatment of therapeutic cells with poly(ADP-ribose) polymerase inhibitor enhances their efficacy in an in vitro model of cell-based therapy in myocardial infarct. 2013 , 31, 26-32	4
1244	Platelets in tissue repair: control of apoptosis and interactions with regenerative cells. 2013 , 122, 2550-4	123
1243	Improvement of contraction force in injured skeletal muscle after autologous mesenchymal stroma cell transplantation is accompanied by slow to fast fiber type shift. 2013 , 40, 425-30	12
1242	Angiogenesis following cell injection is induced by an excess inflammatory response coordinated by bone marrow cells. 2013 , 22, 2381-92	5
1241	Endothelial progenitor cell-based therapy for pulmonary arterial hypertension. 2013 , 22, 1325-36	15
1240	Adipose Tissue-Derived Stem Cells and the Importance of Animal Model Standardization for Pre-Clinical Trials. 2013 , 21, 281-287	2

1239	Paracrine activity of stem cells in therapy for acute lung injury and adult respiratory distress syndrome. 2013 , 74, 1351-6	4
1238	The therapeutic effect of human adult stem cells derived from adipose tissue in endotoxemic rat model. 2013 , 10, 8-18	53
1237	Can stem cells really regenerate the human heart? Use your noggin, dickkopf! Lessons from developmental biology. 2013 , 24, 189-93	3
1236	The relative contribution of paracrine effect versus direct differentiation on adipose-derived stem cell transplantation mediated cardiac repair. 2013 , 8, e59020	89
1235	Cardiomyocyte protection by GATA-4 gene engineered mesenchymal stem cells is partially mediated by translocation of miR-221 in microvesicles. 2013 , 8, e73304	93
1234	Mesenchymal stem cells (MSC) prevented the progression of renovascular hypertension, improved renal function and architecture. 2013 , 8, e78464	53
1233	Secretome of peripheral blood mononuclear cells enhances wound healing. 2013 , 8, e60103	47
1232	Mechanical Control of Adult Mesenchymal Stem Cells in Cardiac Applications. 34-51	
1231	Stem cells supporting other stem cells. 2013 , 4, 257	25
1230	Nanoparticles based stem cell tracking in regenerative medicine. 2013 , 3, 573-82	70
1229	O grau de melhora na função das células progenitoras endoteliais derivadas da medula óssea é dependente do volume de treinamento físico aeróbio. 2013 , 19, 260-266	1
1228	Paracrine activity of stem cells in therapy for acute lung injury and adult respiratory distress syndrome. 2013 , 74, 1351-1356	
1227	[Stem cells for the treatment of cardiovascular diseases. An update]. 2014 , 142, 1034-46	3
1226	Intra-myocardial injection of both growth factors and heart derived Sca-1+/CD31- cells attenuates post-MI LV remodeling more than does cell transplantation alone: neither intervention enhances functionally significant cardiomyocyte regeneration. 2014 , 9, e95247	17
1225	Cartilage regeneration by chondrogenic induced adult stem cells in osteoarthritic sheep model. 2014 , 9, e98770	61
1224	Human umbilical cord mesenchymal stem cells transplantation promotes cutaneous wound healing of severe burned rats. 2014 , 9, e88348	124
1223	Reversal of ischemic cardiomyopathy with Sca-1+ stem cells modified with multiple growth factors. 2014 , 9, e93645	5
1222	Effects of Wharton's jelly-derived mesenchymal stem cells on neonatal neutrophils. 2015 , 8, 1-8	14

1221 Stem Cell Therapy for Cerebral Palsy [A Novel Option. **2014**,

1220 Effect of endogenous bone marrow derived stem cells induced by AMD-3100 on expanded ischemic flap. **2014**, 29 Suppl 3, S237-48

1219 Very Small Embryonic-Like Stem Cells Survive and Restore Spermatogenesis after Busulphan Treatment in Mouse Testis. **2014**, 04,

6

1218 Regenerative Potential of Intravenous Infusion with Mononuclear Cells in Cord Blood and G-CSF-Mobilized Peripheral Blood. **2014**, 04,

1217 Gene-modified mesenchymal stromal cells: A VIP experience. **2014**, 34, 176-183

1216 Cardiac Angiogenesis: Role of Cardiomyocytes and Macrophages and Possible Therapeutic Approaches. **2014**, 3, 11-18

1215 Advanced age impairs cardioprotective function of mesenchymal stem cell transplantation from patients to myocardially infarcted rats. **2014**, 128, 209-19

11

1214 Intramyocardial injection of hypoxia-preconditioned adipose-derived stromal cells treats acute myocardial infarction: an in vivo study in swine. **2014**, 358, 417-32

6

1213 Advancing stem cell therapy from bench to bedside: lessons from drug therapies. **2014**, 12, 243

44

1212 Does transcatheter injection of mesenchymal stem cells improve myocardial function locally or globally?: An analysis from the Percutaneous Stem Cell Injection Delivery Effects on Neomyogenesis (POSEIDON) randomized trial. *Circulation Research*, **2014**, 114, 1292-301

15.7 94

1211 Transplantation of mesenchymal stem cells carrying the human receptor activity-modifying protein 1 gene improves cardiac function and inhibits neointimal proliferation in the carotid angioplasty and myocardial infarction rabbit model. **2014**, 239, 356-65

11

1210 Stem cells can form gap junctions with cardiac myocytes and exert pro-arrhythmic effects. **2014**, 5, 419

16

1209 Diminishing impairments in glucose uptake, mitochondrial content, and ADP-stimulated oxygen flux by mesenchymal stem cell therapy in the infarcted heart. **2014**, 306, C19-27

9

1208 Human adipose-derived stromal/stem cells demonstrate short-lived persistence after implantation in both an immunocompetent and an immunocompromised murine model. **2014**, 5, 142

43

1207 Concise Review: Mesenchymal Stem Cells Ameliorate Tissue Injury via Secretion of Tumor Necrosis Factor- β -Stimulated Protein/Gene 6. **2014**, 2014, 761091

11

1206 Human umbilical cord tissue-derived mesenchymal stromal cells attenuate remodeling after myocardial infarction by proangiogenic, antiapoptotic, and endogenous cell-activation mechanisms. **2014**, 5, 5

91

1205 Electrical Integration of Human Embryonic Stem Cell-Derived Cardiomyocytes in a Guinea Pig Chronic Infarct Model. **2014**, 19, 368-381

65

1204 Angiotensin 1 - 7 stimulation of platelet recovery. **2014**, 23, 551-9

1203	Pim-1 kinase cooperates with serum signals supporting mesenchymal stem cell propagation. 2014 , 199, 140-9	7
1202	Improved wound healing of postischemic cutaneous flaps with the use of bone marrow-derived stem cells. 2014 , 124, 642-8	8
1201	Cardiovascular regenerative therapeutics via synthetic paracrine factor modified mRNA. 2014 , 13, 693-704	26
1200	Heart Regeneration: The Developmental and Stem Cell Biology Approach. 2014 , 457-477	
1199	Extra- and intracellular factors regulating cardiomyocyte proliferation in postnatal life. 2014 , 102, 312-20	35
1198	Transplanted human adipose tissue-derived stem cells engraft and induce regeneration in mice olfactory neuroepithelium in response to dichlobenil subadministration. 2014 , 39, 617-29	12
1197	Characterization of the enhanced bone regenerative capacity of human periodontal ligament stem cells engineered to express the gene encoding bone morphogenetic protein 2. 2014 , 20, 2189-99	20
1196	Tissue engineering and regenerative medicine approaches to enhance the functional response to skeletal muscle injury. 2014 , 297, 51-64	48
1195	Mesenchymal stem cell insights: prospects in cardiovascular therapy. 2014 , 23, 513-29	58
1194	Epicardial placement of mesenchymal stromal cell-sheets for the treatment of ischemic cardiomyopathy; in vivo proof-of-concept study. 2014 , 22, 1864-71	46
1193	Stem cell-based therapies for atherosclerosis: perspectives and ongoing controversies. 2014 , 23, 1731-40	5
1192	Interaction between myofibroblasts and stem cells in the fibrotic heart: balancing between deterioration and regeneration. 2014 , 102, 224-31	18
1191	Intracavernous delivery of clonal mesenchymal stem cells restores erectile function in a mouse model of cavernous nerve injury. 2014 , 11, 411-23	30
1190	Silk for cardiac tissue engineering. 2014 , 429-455	4
1189	Rethinking regenerative medicine: a macrophage-centered approach. 2014 , 5, 510	120
1188	Strategies for cardiac regeneration and repair. 2014 , 6, 239rv1	86
1187	Aptamer technology for tracking cells' status & function. 2014 , 2, 33	18
1186	Improvement of cardiac function by placenta-derived mesenchymal stem cells does not require permanent engraftment and is independent of the insulin signaling pathway. 2014 , 5, 102	25

1185	IL-15: a novel prosurvival signaling pathway in cardiomyocytes. 2014 , 63, 406-11	16
1184	Anti-inflammatory peptides from cardiac progenitors ameliorate dysfunction after myocardial infarction. 2014 , 3, e001101	16
1183	Adult and Pluripotent Stem Cells. 2014 ,	1
1182	A multistep procedure to prepare pre-vascularized cardiac tissue constructs using adult stem cells, dynamic cell cultures, and porous scaffolds. 2014 , 5, 210	21
1181	Targeting pleiotropic signaling pathways to control adult cardiac stem cell fate and function. 2014 , 5, 219	3
1180	Evidence for Transfer of Membranes from Mesenchymal Stem Cells to HL-1 Cardiac Cells. 2014 , 2014, 653734	3
1179	Stem cell therapy and breast cancer treatment: review of stem cell research and potential therapeutic impact against cardiotoxicities due to breast cancer treatment. 2014 , 4, 299	10
1178	Do Mesenchymal Stem Cells Have a Role to Play in Cutaneous Wound Healing?. 2014 , 11	3
1177	Stem cell and gene therapy for cardiac regeneration. 2014 , 347-379	1
1176	Long-term follow-up after autologous skeletal myoblast transplantation in ischaemic heart disease. 2014 , 18, 61-6	23
1175	Priming with ligands secreted by human stromal progenitor cells promotes grafts of cardiac stem/progenitor cells after myocardial infarction. 2014 , 32, 674-83	22
1174	Bone marrow mesenchymal stem cells promote the repair of islets from diabetic mice through paracrine actions. 2014 , 388, 41-50	45
1173	Can we fix it? Evaluating the potential of placental stem cells for the treatment of pregnancy disorders. 2014 , 35, 77-84	24
1172	Quantitative profiling of the rat heart myoblast secretome reveals differential responses to hypoxia and re-oxygenation stress. 2014 , 98, 138-49	29
1171	Irradiated cord blood MNCs: different paracrine effects on mature and progenitor endothelial cells. 2014 , 94, 9-16	2
1170	An update of human mesenchymal stem cell biology and their clinical uses. 2014 , 88, 1069-82	50
1169	Cell sheet technology-driven re-epithelialization and neovascularization of skin wounds. 2014 , 10, 3145-55	56
1168	Myocardial transfection of hypoxia-inducible factor-1 and co-transplantation of mesenchymal stem cells enhance cardiac repair in rats with experimental myocardial infarction. 2014 , 5, 22	50

1167	Extracellular matrix remodeling following myocardial infarction influences the therapeutic potential of mesenchymal stem cells. 2014 , 5, 14	75
1166	Experimental renal progenitor cells: repairing and recreating kidneys?. 2014 , 29, 665-72	6
1165	Stem cell therapies and regenerative medicine in China. 2014 , 57, 157-61	14
1164	Adipose stem cells: biology and clinical applications for tissue repair and regeneration. 2014 , 163, 399-408	181
1163	Molecular characterization and xenogenic application of Wharton's jelly derived caprine mesenchymal stem cells. 2014 , 38, 139-48	15
1162	Conditioned medium derived from mesenchymal stem cells overexpressing HPV16 E6E7 dramatically improves ischemic limb. 2014 , 72, 339-49	8
1161	Microvesicles and exosomes for intracardiac communication. 2014 , 102, 302-11	176
1160	Pluripotent stem cell derived cardiomyocytes for cardiac repair. 2014 , 16, 319	29
1159	Selective inhibition of inositol hexakisphosphate kinases (IP6Ks) enhances mesenchymal stem cell engraftment and improves therapeutic efficacy for myocardial infarction. 2014 , 109, 417	28
1158	Role of adipose-derived stem cells in wound healing. 2014 , 22, 313-25	200
1157	Epicardial delivery of collagen patches with adipose-derived stem cells in rat and minipig models of chronic myocardial infarction. 2014 , 35, 143-51	68
1156	The effect of bioartificial constructs that mimic myocardial structure and biomechanical properties on stem cell commitment towards cardiac lineage. 2014 , 35, 92-104	22
1155	The effect of bone marrow mononuclear stem cell therapy on left ventricular function and myocardial perfusion. 2014 , 21, 351-67	18
1154	Cardiac stem cell biology: glimpse of the past, present, and future. <i>Circulation Research</i> , 2014 , 114, 21-7	15.7 49
1153	Extracellular membrane vesicles as a mechanism of cell-to-cell communication: advantages and disadvantages. 2014 , 306, C621-33	297
1152	Small molecules targeting in vivo tissue regeneration. 2014 , 9, 57-71	30
1151	Regenerative therapy for cardiovascular disease. 2014 , 163, 307-20	32
1150	Extracellular vesicles released from mesenchymal stromal cells modulate miRNA in renal tubular cells and inhibit ATP depletion injury. 2014 , 23, 1809-19	90

1149	Re-activated adult epicardial progenitor cells are a heterogeneous population molecularly distinct from their embryonic counterparts. 2014 , 23, 1719-30	63
1148	Glycogen synthase kinase-3 β inhibition augments diabetic endothelial progenitor cell abundance and functionality via cathepsin B: a novel therapeutic opportunity for arterial repair. 2014 , 63, 1410-21	10
1147	Aging as an essential modifier for the efficacy in mesenchymal stem cell therapy through an inositol phosphate 6 kinase-inositol pyrophosphate 7-dependent mechanism. 2014 , 5, 43	6
1146	Effect of mesenchymal stem cells and extracts derived from the placenta on trophoblast invasion and immune responses. 2014 , 23, 132-45	14
1145	Stem cell therapy for bone repair: a systematic review and meta-analysis of preclinical studies with large animal models. 2014 , 78, 718-26	32
1144	Activated platelets interfere with recruitment of mesenchymal stem cells to apoptotic cardiac cells via high mobility group box 1/Toll-like receptor 4-mediated down-regulation of hepatocyte growth factor receptor MET. 2014 , 289, 11068-11082	33
1143	Differentiation of mouse induced pluripotent stem cells into alveolar epithelial cells in vitro for use in vivo. 2014 , 3, 675-85	29
1142	Cell therapy with embryonic stem cell-derived cardiomyocytes encapsulated in injectable nanomatrix gel enhances cell engraftment and promotes cardiac repair. 2014 , 8, 10815-25	83
1141	Transplantation of cyclic stretched fibroblasts accelerates the wound-healing process in streptozotocin-induced diabetic mice. 2014 , 23, 285-301	28
1140	An update on stem cell therapies for acute coronary syndrome. 2014 , 16, 526	4
1139	Perinatal Stem Cells. 2014 ,	3
1138	Immunophenotype and gene expression profile of mesenchymal stem cells derived from canine adipose tissue and bone marrow. 2014 , 161, 21-31	60
1137	Membrane vesicles mediate pro-angiogenic activity of equine adipose-derived mesenchymal stromal cells. 2014 , 202, 361-6	39
1136	Dental pulp stem cells' secretome enhances pulp repair processes and compensates TEGDMA-induced cytotoxicity. 2014 , 30, e405-18	31
1135	Heart regeneration, stem cells, and cytokines. 2014 , 2, 6	18
1134	Remote transplantation of mesenchymal stem cells protects the heart against ischemia-reperfusion injury. 2014 , 32, 2123-34	44
1133	Stem Cells and Cancer Stem Cells, Volume 12. 2014 ,	3
1132	The modulation of cardiac progenitor cell function by hydrogel-dependent Notch1 activation. 2014 , 35, 8103-12	44

1131	Cell therapy for human ischemic heart diseases: critical review and summary of the clinical experiences. 2014 , 75, 12-24	63
1130	Activated platelet supernatant can augment the angiogenic potential of human peripheral blood stem cells mobilized from bone marrow by G-CSF. 2014 , 75, 64-75	14
1129	Cardiac stem cell therapy for cardiac repair. 2014 , 16, 324	37
1128	Cyclosporin in cell therapy for cardiac regeneration. 2014 , 7, 475-82	17
1127	What You See is What You Get? Imaging of Cell Therapy for Cardiac Regeneration. 2014 , 7, 1	
1126	Identification of a common reference gene pair for qPCR in human mesenchymal stromal cells from different tissue sources treated with VEGF. 2014 , 15, 11	24
1125	Injectable cell constructs fabricated via culture on a thermoresponsive methylcellulose hydrogel system for the treatment of ischemic diseases. 2014 , 3, 1133-48	26
1124	Nanofiber-expanded human umbilical cord blood-derived CD34+ cell therapy accelerates murine cutaneous wound closure by attenuating pro-inflammatory factors and secreting IL-10. 2014 , 12, 275-88	19
1123	Long-acting beneficial effect of percutaneously intramyocardially delivered secretome of apoptotic peripheral blood cells on porcine chronic ischemic left ventricular dysfunction. 2014 , 35, 3541-50	37
1122	Incremental benefits of repeated mesenchymal stromal cell administration compared with solitary intervention after myocardial infarction. 2014 , 16, 460-70	20
1121	The cardiac stem cell compartment is indispensable for myocardial cell homeostasis, repair and regeneration in the adult. 2014 , 13, 615-30	76
1120	Cardiac tissue engineering: renewing the arsenal for the battle against heart disease. 2014 , 6, 111-26	30
1119	GATA-4 protects against hypoxia-induced cardiomyocyte injury: effects on mitochondrial membrane potential. 2014 , 92, 669-78	9
1118	Immortalization of human adipose-derived stromal cells: production of cell lines with high growth rate, mesenchymal marker expression and capability to secrete high levels of angiogenic factors. 2014 , 5, 63	35
1117	Sca-1+ cardiac progenitor cells and heart-making: a critical synopsis. 2014 , 23, 2263-73	39
1116	Injectable multifunctional microgel encapsulating outgrowth endothelial cells and growth factors for enhanced neovascularization. 2014 , 187, 1-13	73
1115	HASF is a stem cell paracrine factor that activates PKC epsilon mediated cytoprotection. 2014 , 66, 157-64	31
1114	Cell-based therapy for acute organ injury: preclinical evidence and ongoing clinical trials using mesenchymal stem cells. 2014 , 121, 1099-121	101

1113	Bone marrow mesenchymal stem cells improve myocardial function in a swine model of acute myocardial infarction. 2014 , 10, 1448-54	13
1112	The Development of Stem Cell-Derived Exosomes as a Cell-Free Regenerative Medicine. 2014 , 3, 2	46
1111	Stem cells bond our organs/tissues and engineering products. 2014 , 78, 1582-3	1
1110	Feasibility of allogeneic stem cells for heart regeneration. 2014 , 207-235	
1109	Cell therapy to regenerate the ischemic heart. 2014 , 118-137	3
1108	Dental stem cells: a future asset of ocular cell therapy. 2015 , 17, e20	24
1107	Bone Marrow Therapies for Chronic Heart Disease. 2015 , 33, 3212-27	14
1106	Preconditioning Human Cardiac Stem Cells with an HO-1 Inducer Exerts Beneficial Effects After Cell Transplantation in the Infarcted Murine Heart. 2015 , 33, 3596-607	35
1105	Identification of the active components in Bone Marrow Soup: a mitigator against irradiation-injury to salivary glands. 2015 , 5, 16017	22
1104	Bone marrow mesenchymal stem cell aggregate: an optimal cell therapy for full-layer cutaneous wound vascularization and regeneration. 2015 , 5, 17036	29
1103	Intramuscular Transplantation of Pig Amniotic Fluid-Derived Progenitor Cells Has Therapeutic Potential in a Mouse Model of Myocardial Infarction. 2015 , 24, 1003-12	7
1102	Hypoxia-preconditioned mesenchymal stem cells attenuate bleomycin-induced pulmonary fibrosis. 2015 , 6, 97	122
1101	Combination therapy of menstrual derived mesenchymal stem cells and antibiotics ameliorates survival in sepsis. 2015 , 6, 199	82
1100	Delayed administration of allogeneic cardiac stem cell therapy for acute myocardial infarction could ameliorate adverse remodeling: experimental study in swine. 2015 , 13, 156	31
1099	Migration towards SDF-1 selects angiogenin-expressing bone marrow monocytes endowed with cardiac reparative activity in patients with previous myocardial infarction. 2015 , 6, 53	9
1098	Umbilical cord mesenchymal stem cells modulate dextran sulfate sodium induced acute colitis in immunodeficient mice. 2015 , 6, 79	30
1097	let-7b suppresses apoptosis and autophagy of human mesenchymal stem cells transplanted into ischemia/reperfusion injured heart 7by targeting caspase-3. 2015 , 6, 147	52
1096	Small intestinal submucosa-derived extracellular matrix bioscaffold significantly enhances angiogenic factor secretion from human mesenchymal stromal cells. 2015 , 6, 164	29

1095	Partially Digested Adult Cardiac Extracellular Matrix Promotes Cardiomyocyte Proliferation In Vitro. 2015 , 4, 1545-54	25
1094	IL-1 β Induced Mesenchymal Stem Cell Migration Involves MLCK Activation via PKC Signaling. 2015 , 24, 2011-28	14
1093	Quantitative proteomics reveals differential regulation of protein expression in recipient myocardium after trilineage cardiovascular cell transplantation. 2015 , 15, 2560-7	10
1092	Mesenchymal stem cell-based therapy for nonhealing wounds: today and tomorrow. 2015 , 23, 465-82	28
1091	Targeted delivery of adipose-derived stem cells via acellular dermal matrix enhances wound repair in diabetic rats. 2015 , 9, 224-35	42
1090	Exercise induces stromal cell-derived factor-1 β mediated release of endothelial progenitor cells with increased vasculogenic function. 2015 , 135, 340e-350e	29
1089	The Role of MicroRNAs in Cardiac Stem Cells. 2015 , 2015, 194894	10
1088	Concomitant Retrograde Coronary Venous Infusion of Basic Fibroblast Growth Factor Enhances Engraftment and Differentiation of Bone Marrow Mesenchymal Stem Cells for Cardiac Repair after Myocardial Infarction. 2015 , 5, 995-1006	20
1087	Stem Cell Extracellular Vesicles: A Novel Cell-Based Therapy for Cardiovascular Diseases. 2015 , 93-117	2
1086	Effects of Intracoronary Administration of Autologous Adipose Tissue-Derived Stem Cells on Acute Myocardial Infarction in a Porcine Model. 2015 , 56, 1522-9	18
1085	Current Concepts in Stem Cell Therapy for Cardiovascular Diseases: What We Know and Don't Know. 2015 , 35, 242	1
1084	From bench to bedside: use of human adipose-derived stem cells. 2015 , 8, 149-62	41
1083	Stem cell therapy for erectile dysfunction of cavernous nerve injury rats: a systematic review and meta-analysis. 2015 , 10, e0121428	28
1082	Adipose Tissue-Derived Mesenchymal Stromal Cells Protect Mice Infected with Trypanosoma cruzi from Cardiac Damage through Modulation of Anti-parasite Immunity. 2015 , 9, e0003945	19
1081	The Role of Genetically Modified Mesenchymal Stem Cells in Urinary Bladder Regeneration. 2015 , 10, e0138643	13
1080	Xenotransplantation of Human Cardiomyocyte Progenitor Cells Does Not Improve Cardiac Function in a Porcine Model of Chronic Ischemic Heart Failure. Results from a Randomized, Blinded, Placebo Controlled Trial. 2015 , 10, e0143953	14
1079	Pretreatment of Adipose Derived Stem Cells with Curcumin Facilitates Myocardial Recovery via Antiapoptosis and Angiogenesis. 2015 , 2015, 638153	38
1078	Cardiac migration of endogenous mesenchymal stromal cells in patients with inflammatory cardiomyopathy. 2015 , 2015, 308185	8

1077	A clinical study of autologous bone marrow mononuclear cells for cerebral palsy patients: a new frontier. 2015 , 2015, 905874	32
1076	Cell adhesion and long-term survival of transplanted mesenchymal stem cells: a prerequisite for cell therapy. 2015 , 2015, 632902	142
1075	Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells Relieve Acute Myocardial Ischemic Injury. 2015 , 2015, 761643	165
1074	Dual Protective and Cytotoxic Benefits of Mesenchymal Stem Cell Therapy in Combination with Chemotherapy/Radiotherapy for Cancer Patients. 2015 , 25, 203-7	14
1073	Female urinary incontinence: a systematic overview and non-surgical treatment. 2015 , 527-539	0
1072	Overview of hydrogel-based strategies for application in cardiac tissue regeneration. 2015 , 10, 034005	21
1071	The Therapeutic Effects of Human Mesenchymal Stem Cells Primed with Sphingosine-1 Phosphate on Pulmonary Artery Hypertension. 2015 , 24, 1658-71	37
1070	Arrhythmia in stem cell transplantation. 2015 , 7, 357-70	28
1069	Conditioned medium from human amniotic mesenchymal stromal cells limits infarct size and enhances angiogenesis. 2015 , 4, 448-58	78
1068	Novel Targets of Drug Treatment for Pulmonary Hypertension. 2015 , 15, 225-34	26
1067	Notch activation enhances lineage commitment and protective signaling in cardiac progenitor cells. 2015 , 110, 29	35
1066	Multipotent stem cells of the heart-do they have therapeutic promise?. 2015 , 6, 123	21
1065	Altered protein secretions during interactions between adipose tissue- or bone marrow-derived stromal cells and inflammatory cells. 2015 , 6, 70	14
1064	Microencapsulated equine mesenchymal stromal cells promote cutaneous wound healing in vitro. 2015 , 6, 66	44
1063	A Stem-Cell-Derived Cell-Free Therapy for Stroke: Moving Conditioned Medium into Clinical Trial. 2015 , 247-265	
1062	Mesenchymal stem/stromal cells as a delivery platform in cell and gene therapies. 2015 , 13, 186	87
1061	microRNA: Basic Science. 2015 ,	1
1060	Chronic endurance exercise affects paracrine action of CD31+ and CD34+ cells on endothelial tube formation. 2015 , 309, H407-20	21

1059	microRNA and Cardiac Regeneration. 2015 , 887, 119-41	11
1058	Synergistic Effects of Combined Cell Therapy for Chronic Ischemic Cardiomyopathy. 2015 , 66, 1990-1999	109
1057	Solution-Phase Crosstalk and Regulatory Interactions Between Multipotent Adult Progenitor Cells and Peripheral Blood Mononuclear Cells. 2015 , 4, 1436-49	4
1056	Exploiting AT2R to Improve CD117 Stem Cell Function In Vitro and In Vivo--Perspectives for Cardiac Stem Cell Therapy. 2015 , 37, 77-93	7
1055	History of rotator cuff surgery. 2015 , 23, 344-62	38
1054	Human Wharton's jelly mesenchymal stem cell secretome display antiproliferative effect on leukemia cell line and produce additive cytotoxic effect in combination with doxorubicin. 2015 , 47, 229-34	28
1053	Adipose-derived stromal vascular fraction cells isolated from old animals exhibit reduced capacity to support the formation of microvascular networks. 2015 , 63, 18-26	29
1052	Fibrin-based 3D matrices induce angiogenic behavior of adipose-derived stem cells. 2015 , 17, 78-88	61
1051	Allogeneic cardiac stem cell administration for acute myocardial infarction. 2015 , 13, 285-99	15
1050	Heart regeneration after myocardial infarction using synthetic biomaterials. 2015 , 203, 23-38	87
1049	Basic fibroblast growth factor-treated adipose tissue-derived mesenchymal stem cell infusion to ameliorate liver cirrhosis via paracrine hepatocyte growth factor. 2015 , 30, 1065-74	33
1048	Direct evaluation of myocardial viability and stem cell engraftment demonstrates salvage of the injured myocardium. <i>Circulation Research</i> , 2015 , 116, e40-50	15.7 43
1047	New devices and technology in interventional cardiology. 2015 , 65, 5-16	14
1046	Iron oxide nanoparticle-mediated development of cellular gap junction crosstalk to improve mesenchymal stem cells' therapeutic efficacy for myocardial infarction. 2015 , 9, 2805-19	102
1045	Effects of mesenchymal stem cells in renovascular hypertension. 2015 , 100, 491-5	5
1044	Combination of miRNA499 and miRNA133 exerts a synergic effect on cardiac differentiation. 2015 , 33, 1187-99	25
1043	VEGF-A promotes cardiac stem cell engraftment and myocardial repair in the infarcted heart. 2015 , 183, 221-31	18
1042	Wound management of chronic diabetic foot ulcers: from the basics to regenerative medicine. 2015 , 39, 29-39	58

1041	The potential role of stem cells in the treatment of urinary incontinence. 2015 , 7, 22-40	43
1040	Myeloid-derived growth factor (C19orf10) mediates cardiac repair following myocardial infarction. 2015 , 21, 140-9	117
1039	Human mesenchymal stromal cell therapy for prevention and recovery of chemo/radiotherapy adverse reactions. 2015 , 17, 509-25	9
1038	Cellular postconditioning: allogeneic cardiosphere-derived cells reduce infarct size and attenuate microvascular obstruction when administered after reperfusion in pigs with acute myocardial infarction. 2015 , 8, 322-32	65
1037	Collagen matrix-induced expression of integrin $\alpha 3$ in circulating angiogenic cells can be targeted by matricellular protein CCN1 to enhance their function. 2015 , 29, 1198-207	7
1036	MSCs seeded on bioengineered scaffolds improve skin wound healing in rats. 2015 , 23, 115-23	47
1035	Programming and reprogramming a human heart cell. 2015 , 34, 710-38	69
1034	Endothelial progenitor cells and revascularization following stroke. 2015 , 1623, 150-9	37
1033	Myocardial infarction accelerates glomerular injury and microalbuminuria in diabetic rats via local hemodynamics and immunity. 2015 , 179, 397-408	7
1032	Stem cell impregnated nanofiber stent sleeve for on-stent production and intravascular delivery of paracrine factors. 2015 , 52, 318-26	27
1031	Paracrine factors of human fetal MSCs inhibit liver cancer growth through reduced activation of IGF-1R/PI3K/Akt signaling. 2015 , 23, 746-56	62
1030	The clinical application of mesenchymal stem cells and cardiac stem cells as a therapy for cardiovascular disease. 2015 , 151, 8-15	63
1029	Autologous c-Kit+ Mesenchymal Stem Cell Injections Provide Superior Therapeutic Benefit as Compared to c-Kit+ Cardiac-Derived Stem Cells in a Feline Model of Isoproterenol-Induced Cardiomyopathy. 2015 , 8, 425-31	21
1028	MicroRNA-Mediated Regulation of Cardiovascular Differentiation and Therapeutic Implications. 2015 , 1075-1091	
1027	Recovery of hibernating myocardium: what is the role of surgical revascularization?. 2015 , 30, 224-31	13
1026	Mesenchymal Stem Cell Therapy Alleviates Interstitial Cystitis by Activating Wnt Signaling Pathway. 2015 , 24, 1648-57	47
1025	Bone marrow-derived mesenchymal stromal cell treatment in patients with severe ischaemic heart failure: a randomized placebo-controlled trial (MSC-HF trial). 2015 , 36, 1744-53	207
1024	Rapid fusion between mesenchymal stem cells and cardiomyocytes yields electrically active, non-contractile hybrid cells. 2015 , 5, 12043	15

1023	Xenotransplantation of Bone Marrow-Derived Human Mesenchymal Stem Cell Sheets Attenuates Left Ventricular Remodeling in a Porcine Ischemic Cardiomyopathy Model. 2015 , 21, 2272-80	19
1022	Characterization of human ethmoid sinus mucosa derived mesenchymal stem cells (hESMSCs) and the application of hESMSCs cell sheets in bone regeneration. 2015 , 66, 67-82	39
1021	The endometrium as a source of mesenchymal stem cells for regenerative medicine. 2015 , 92, 138	54
1020	Recapitulation of in vivo-like paracrine signals of human mesenchymal stem cells for functional neuronal differentiation of human neural stem cells in a 3D microfluidic system. 2015 , 63, 177-88	56
1019	A Phase II Dose-Escalation Study of Allogeneic Mesenchymal Precursor Cells in Patients With Ischemic or Nonischemic Heart Failure. <i>Circulation Research</i> , 2015 , 117, 576-84	15.7 141
1018	Regulation of tissue ingrowth into proteolytically degradable hydrogels. 2015 , 24, 44-52	12
1017	Trophic factors from adipose tissue-derived multi-lineage progenitor cells promote cytodifferentiation of periodontal ligament cells. 2015 , 464, 299-305	17
1016	Mobilization of endogenous bone marrow-derived stem cells in a thioacetamide-induced mouse model of liver fibrosis. 2015 , 47, 257-65	8
1015	Paracrine Factors Secreted by MSCs Promote Astrocyte Survival Associated With GFAP Downregulation After Ischemic Stroke via p38 MAPK and JNK. 2015 , 230, 2461-75	49
1014	Potential of stem cell treatment in detrusor dysfunction. 2015 , 82-83, 117-22	7
1013	Allogeneic Mesenchymal Stem Cells Restore Endothelial Function in Heart Failure by Stimulating Endothelial Progenitor Cells. 2015 , 2, 467-75	78
1012	Subendometrial blood flow changes by 3-dimensional power Doppler ultrasound after hysteroscopic lysis of severe intrauterine adhesions: preliminary study. 2015 , 22, 495-500	3
1011	Endogene myokardiale Regeneration. 2015 , 29, 53-60	
1010	Dental pulp stem cells derived conditioned medium promotes angiogenesis in hindlimb ischemia. 2015 , 12, 59-68	14
1009	Challenges in identifying the best source of stem cells for cardiac regeneration therapy. 2015 , 6, 26	75
1008	Exendin-4 enhances the migration of adipose-derived stem cells to neonatal rat ventricular cardiomyocyte-derived conditioned medium via the phosphoinositide 3-kinase/Akt-stromal cell-derived factor-1/CXCR4 chemokine receptor 4 pathway. 2015 , 11, 4063-72	47
1007	Cell Therapy for Brain Injury. 2015 ,	2
1006	Lipopolysaccharide preconditioning of adipose-derived stem cells improves liver-regenerating activity of the secretome. 2015 , 6, 75	39

1005	On the existence of cardiomesenchymal stem cells. 2015 , 84, 511-5	5
1004	Emerging therapeutic targets of sepsis-associated acute kidney injury. 2015 , 35, 38-54	27
1003	Mesenchymal stromal cells overexpressing vascular endothelial growth factor in ovine myocardial infarction. 2015 , 22, 449-57	21
1002	Medical Treatment of Heart Failure and Coronary Heart Disease. 2015 , 533-560	
1001	Effects of angiotensin II blockade on cardiomyocyte regeneration after myocardial infarction in rats. 2015 , 16, 92-102	3
1000	MicroRNAs and Cardiac Regeneration. <i>Circulation Research</i> , 2015 , 116, 1700-11	15.7 66
999	Paracrine action of mesenchymal stromal cells delivered by microspheres contributes to cutaneous wound healing and prevents scar formation in mice. 2015 , 17, 922-31	35
998	Smoke inhalation injury repaired by a bone marrow-derived mesenchymal stem cell paracrine mechanism: Angiogenesis involving the Notch signaling pathway. 2015 , 78, 565-72	13
997	Emulating native periosteum cell population and subsequent paracrine factor production to promote tissue engineered periosteum-mediated allograft healing. 2015 , 52, 426-40	40
996	Biomaterials based strategies for skeletal muscle tissue engineering: existing technologies and future trends. 2015 , 53, 502-21	270
995	Intravital microscopy of localized stem cell delivery using microbubbles and acoustic radiation force. 2015 , 112, 220-7	27
994	Human CD133(+) bone marrow-derived stem cells promote endometrial proliferation in a murine model of Asherman syndrome. 2015 , 104, 1552-60.e1-3	95
993	Integration of mesenchymal stem cells with nanobiomaterials for the repair of myocardial infarction. 2015 , 95, 15-28	29
992	Strategies for skeletal muscle tissue engineering: seed vs. soil. 2015 , 3, 7881-7895	11
991	Mechanisms Contributing to the Progression of Ischemic and Nonischemic Dilated Cardiomyopathy: Possible Modulating Effects of Paracrine Activities of Stem Cells. 2015 , 66, 2038-2047	40
990	Real-time single-cell imaging of protein secretion. 2014 , 4, 4736	67
989	Effect of autologous bone marrow cell transplantation combined with off-pump coronary artery bypass grafting on cardiac function in patients with chronic myocardial infarction. 2015 , 130, 27-33	7
988	Sugar? No Thank You, Just a Deep Breath of Oxygen for Cancer Stem Cells. 2015 , 22, 543-5	7

987	Pediatric End-Stage Failing Hearts Demonstrate Increased Cardiac Stem Cells. 2015 , 100, 615-22	10
986	Immunological hallmarks of stromal cells in the tumour microenvironment. 2015 , 15, 669-82	539
985	Beyond Hit-and-Run: Stem Cells Leave a Lasting Memory. 2015 , 22, 541-3	22
984	Medicinal Chemistry Approaches to Heart Regeneration. 2015 , 58, 9451-79	17
983	Combined effect of ligament stem cells and umbilical-cord-blood-derived CD34+ cells on ligament healing. 2015 , 362, 587-95	11
982	Biomimetic approaches for cell implantation to the restoration of infarcted myocardium. 2015 , 10, 2907-30	1
981	Tracking the in vivo release of bioactive NRG from PLGA and PEG-PLGA microparticles in infarcted hearts. 2015 , 220, 388-396	29
980	Ex vivo paracrine properties of cardiac tissue: Effects of chronic heart failure. 2015 , 34, 839-48	8
979	Growth factor and small molecule influence on urological tissue regeneration utilizing cell seeded scaffolds. 2015 , 82-83, 86-92	18
978	Dinitrophenol modulates gene expression levels of angiogenic, cell survival and cardiomyogenic factors in bone marrow derived mesenchymal stem cells. 2015 , 555, 448-57	10
977	Mesenchymal stem cells and their secretome partially restore nerve and urethral function in a dual muscle and nerve injury stress urinary incontinence model. 2015 , 308, F92-F100	65
976	Cellular Therapy for Stroke and CNS Injuries. 2015 ,	
975	Multipotent Mesenchymal Stromal Cell-Based Therapies: Regeneration Versus Repair. 2015 , 3-16	0
974	Emerging roles for extracellular vesicles in tissue engineering and regenerative medicine. 2015 , 21, 45-54	144
973	Engineered mesenchymal stem cells with enhanced tropism and paracrine secretion of cytokines and growth factors to treat traumatic brain injury. 2015 , 33, 456-67	53
972	Identification of therapeutic covariant microRNA clusters in hypoxia-treated cardiac progenitor cell exosomes using systems biology. <i>Circulation Research</i> , 2015 , 116, 255-63	15.7 262
971	The war against heart failure: the Lancet lecture. 2015 , 385, 812-24	478
970	A cautionary tale for autologous vascular tissue engineering: impact of human demographics on the ability of adipose-derived mesenchymal stem cells to recruit and differentiate into smooth muscle cells. 2015 , 21, 426-37	29

969	Stem cells as drug delivery methods: application of stem cell secretome for regeneration. 2015 , 82-83, 1-11	149
968	Drug and cell delivery for cardiac regeneration. 2015 , 84, 85-106	138
967	Biomaterials in myocardial tissue engineering. 2016 , 10, 11-28	136
966	Alginate microencapsulation of human mesenchymal stem cells as a strategy to enhance paracrine-mediated vascular recovery after hindlimb ischaemia. 2016 , 10, 222-32	38
965	Therapy with c-kitPOS Cardiac Stem Cells for Ischemic Cardiomyopathy. 2016 , 201-215	
964	Role of Mesenchymal Stem Cells in Dermal Repair in Burns and Diabetic Wounds. 2017 , 12, 61-70	56
963	Increasing injection frequency enhances the survival of injected bone marrow derived mesenchymal stem cells in a critical limb ischemia animal model. 2016 , 20, 657-667	12
962	Therapeutic Potential of Human Mesenchymal Stem Cells for Treating Ischemic Limb Diseases. 2016 , 9, 163-168	11
961	Hypoxia increases Nrf2-induced HO-1 expression via the PI3K/Akt pathway. 2016 , 21, 385-96	31
960	PET - CT Scan Shows Decreased Severity of Autism after Autologous Cellular Therapy: A Case Report. 2016 , 06,	3
959	Short- and long-term outcomes of intramyocardial implantation of autologous bone marrow-derived cells for the treatment of ischaemic heart disease. 2017 , 24, 329-334	3
958	Mending the Heart Through In Situ Cardiac Regeneration. 2016 , 313-344	
957	Micromanaging cardiac regeneration: Targeted delivery of microRNAs for cardiac repair and regeneration. 2016 , 8, 163-79	19
956	Cardiac Regeneration using Growth Factors: Advances and Challenges. 2016 , 107, 271-275	35
955	Living cell products as wound healing biomaterials. 2016 , 201-225	1
954	Recent Stem Cell Advances: Cord Blood and Induced Pluripotent Stem Cell for Cardiac Regeneration- a Review. 2016 , 9, 21-30	11
953	Effect of Cellular Therapy in Progression of Becker's Muscular Dystrophy: A Case Study. 2016 , 26, 5522	5
952	Advances in the Use of Stem Cells in Veterinary Medicine: From Basic Research to Clinical Practice. 2016 , 2016, 4516920	16

951	Endothelial Progenitor Cell Migration-Enhancing Factors in the Secretome of Placental-Derived Mesenchymal Stem Cells. 2016 , 2016, 2514326	8
950	Therapeutic Potential of Stem Cells Strategy for Cardiovascular Diseases. 2016 , 2016, 4285938	17
949	Inhibition of Myocardial Ischemia/Reperfusion Injury by Exosomes Secreted from Mesenchymal Stem Cells. 2016 , 2016, 4328362	33
948	Mesenchymal Stem Cell-Based Therapy for Kidney Disease: A Review of Clinical Evidence. 2016 , 2016, 4798639	119
947	Transcatheter Arterial Infusion of Autologous CD133(+) Cells for Diabetic Peripheral Artery Disease. 2016 , 2016, 6925357	9
946	Pivotal Cytoprotective Mediators and Promising Therapeutic Strategies for Endothelial Progenitor Cell-Based Cardiovascular Regeneration. 2016 , 2016, 8340257	8
945	Exosomes isolation protocols: facts and artifacts for cardiac regeneration. 2016 , 8, 303-11	8
944	Cell Therapy in Ischemic Heart Disease: Interventions That Modulate Cardiac Regeneration. 2016 , 2016, 2171035	19
943	Cellular Therapy for Heart Failure. 2016 , 12, 195-215	20
942	Cellular Therapy for Wounds: Applications of Mesenchymal Stem Cells in Wound Healing. 2016 ,	6
941	Role of Paracrine Mechanisms. 2016 , 39-48	1
940	Lung Regeneration: Endogenous and Exogenous Stem Cell Mediated Therapeutic Approaches. 2016 , 17,	50
939	Stem Cell Therapy and Congenital Heart Disease. 2016 , 3,	3
938	Mesenchymal Stem Cells Improve Muscle Function Following Single Stretch Injury: A Preliminary Study. 2016 , 1, 396-406	2
937	Stem cell mobilisation by granulocyte-colony stimulating factor in patients with acute myocardial infarction. Long-term results of the REVIVAL-2 trial. 2016 , 115, 864-8	8
936	Radiation Exposure Decreases the Quantity and Quality of Cardiac Stem Cells in Mice. 2016 , 11, e0152179	7
935	Discrepant Results of Experimental Human Mesenchymal Stromal Cell Therapy after Myocardial Infarction: Are Animal Models Robust Enough?. 2016 , 11, e0152938	5
934	Mesenchymal Stem Cell Seeding of Porcine Small Intestinal Submucosal Extracellular Matrix for Cardiovascular Applications. 2016 , 11, e0153412	28

933	Bone Regeneration in Implant Dentistry: Role of Mesenchymal Stem Cells. 2016,	1
932	Use of Rat Mature Adipocyte-Derived Dedifferentiated Fat Cells as a Cell Source for Periodontal Tissue Regeneration. 2016, 7, 50	31
931	Human mesenchymal stem cells attenuate pulmonary hypertension induced by prenatal lipopolysaccharide treatment in rats. 2016, 43, 906-14	9
930	Mesenchymal stromal cell therapy in ischemic heart disease. 2016, 50, 293-299	8
929	Splenectomy enhances the therapeutic effect of adipose tissue-derived mesenchymal stem cell infusion on cirrhosis rats. 2016, 36, 1151-9	11
928	Antiarrhythmic effect of growth factor-supplemented cardiac progenitor cells in chronic infarcted heart. 2016, 310, H1622-48	19
927	Development of recombinant collagen-peptide-based vehicles for delivery of adipose-derived stromal cells. 2016, 104, 503-16	19
926	Exosomes from adipose-derived stem cells ameliorate phenotype of Huntington's disease in vitro model. 2016, 44, 2114-9	63
925	Integrin-specific hydrogels functionalized with VEGF for vascularization and bone regeneration of critical-size bone defects. 2016, 104, 889-900	66
924	The role of adult tissue-derived stem cells in chronic leg ulcers: a systematic review focused on tissue regeneration medicine. 2016, 13, 1289-1298	9
923	Protection of Brain Injury by Amniotic Mesenchymal Stromal Cell-Secreted Metabolites. 2016, 44, e1118-e1131	51
922	Intracoronary Stem Cell Delivery to the Right Ventricle: A Preclinical Study. 2016, 28, 817-824	2
921	The role of mesenchymal stromal cells in the management of musculoskeletal disorders. 2016, 677-689	
920	Cardiac progenitor cells for heart repair. 2016, 2, 16052	81
919	Influence of aging on the quantity and quality of human cardiac stem cells. 2016, 6, 22781	23
918	Allogeneic Mesenchymal Stem Cell Transplantation in Dogs With Keratoconjunctivitis Sicca. 2016, 8, 63-77	25
917	TSG-6 secreted by human umbilical cord-MSCs attenuates severe burn-induced excessive inflammation via inhibiting activations of P38 and JNK signaling. 2016, 6, 30121	33
916	Current Approach to Heart Failure. 2016,	

915	Recent Developments in Stem and Progenitor Cell Therapy for Cardiac Repair. <i>Circulation Research</i> , 2016 , 119, e152-e159	15.7	5
914	Bioengineering Alginate for Regenerative Medicine Applications. 2016 , 274-306		
913	Hypoxic Preconditioning Inhibits Hypoxia-induced Apoptosis of Cardiac Progenitor Cells via the PI3K/Akt-DNMT1-p53 Pathway. 2016 , 6, 30922		22
912	Direct reprogramming and biomaterials for controlling cell fate. 2016 , 20, 39		9
911	Bone Marrow Mesenchymal Stem Cells (BM-MSCs) Improve Heart Function in Swine Myocardial Infarction Model through Paracrine Effects. 2016 , 6, 28250		68
910	Ischemia/Reperfusion. 2016 , 7, 113-170		354
909	Covalent immobilization of MSC-affinity peptide on poly(L-lactide-co-ε-caprolactone) copolymer to enhance stem cell adhesion and retention for tissue engineering applications. 2016 , 24, 986-994		6
908	Materializing Heart Regeneration: Biomimicry of Key Observations in Cell Transplantation Therapies and Natural Cardiac Regeneration. 2016 , 04, 1640002		
907	Tissue-engineered cardiac patch seeded with human induced pluripotent stem cell derived cardiomyocytes promoted the regeneration of host cardiomyocytes in a rat model. 2016 , 11, 163		36
906	Proteomics of cell-cell interactions in health and disease. 2016 , 16, 328-44		9
905	Isolation of Pig Bone Marrow-Derived Mesenchymal Stem Cells. 2016 , 1416, 225-32		6
904	Optimization of Mesenchymal Stem Cells to Increase Their Therapeutic Potential. 2016 , 1416, 275-88		4
903	Testing the Paracrine Properties of Human Mesenchymal Stem Cells Using Conditioned Medium. 2016 , 1416, 445-56		10
902	Paracrine Mechanisms of Mesenchymal Stem Cells in Tissue Repair. 2016 , 1416, 123-46		221
901	Empowering Adult Stem Cells for Myocardial Regeneration V2.0: Success in Small Steps. <i>Circulation Research</i> , 2016 , 118, 867-80	15.7	39
900	Mesenchymal stem cells (MSCs) as skeletal therapeutics - an update. 2016 , 23, 41		45
899	Implantation of a Novel Allogeneic Mesenchymal Precursor Cell Type in Patients with Ischemic Cardiomyopathy Undergoing Coronary Artery Bypass Grafting: an Open Label Phase IIa Trial. 2016 , 9, 202-213		9
898	Developmental origin and lineage plasticity of endogenous cardiac stem cells. 2016 , 143, 1242-58		56

897	Intrinsic cardiac stem cells are essential for regeneration. 2016 , 152, 583-4	1
896	Oxygen cycling to improve survival of stem cells for myocardial repair: A review. 2016 , 153, 124-31	9
895	Inflammation as a Driver of Adverse Left Ventricular Remodeling After Acute Myocardial Infarction. 2016 , 67, 2050-60	226
894	Regenerative Medicine - from Protocol to Patient. 2016 ,	0
893	Synthetic niche to modulate regenerative potential of MSCs and enhance skeletal muscle regeneration. 2016 , 99, 95-108	68
892	Cell recruiting chemokine-loaded sprayable gelatin hydrogel dressings for diabetic wound healing. 2016 , 38, 59-68	100
891	Adipose-derived mesenchymal stem cells from patients with atherosclerotic renovascular disease have increased DNA damage and reduced angiogenesis that can be modified by hypoxia. 2016 , 7, 128	21
890	Recent Advances in Stem Cells. 2016 ,	1
889	Transplantation of mature adipocyte-derived dedifferentiated fat cells for the treatment of vesicoureteral reflux in a rat model. 2016 , 48, 1951-1960	3
888	Peripheral blood mononuclear cell secretome for tissue repair. 2016 , 21, 1336-1353	49
887	Biohybrid cochlear implants in human neurosensory restoration. 2016 , 7, 148	26
886	Regenerative medicine - From stem cell biology to clinical trials for pediatric heart failure. 2016 , 43, 87-89	
885	Prominent Vascularization Capacity of Mesenchymal Stem Cells in Collagen-Gold Nanocomposites. 2016 , 8, 28982-29000	16
884	Therapeutic Potential of Adipose-Derived Therapeutic Factor Concentrate for Treating Critical Limb Ischemia. 2016 , 25, 1623-1633	14
883	The Epigenetic Regulator HDAC1 Modulates Transcription of a Core Cardiogenic Program in Human Cardiac Mesenchymal Stromal Cells Through a p53-Dependent Mechanism. 2016 , 34, 2916-2929	11
882	Inducible HGF-secreting Human Umbilical Cord Blood-derived MSCs Produced via TALEN-mediated Genome Editing Promoted Angiogenesis. 2016 , 24, 1644-54	37
881	Concise Review: Pluripotent Stem Cell-Derived Cardiac Cells, A Promising Cell Source for Therapy of Heart Failure: Where Do We Stand?. 2016 , 34, 34-43	24
880	Intracavernous delivery of clonal mesenchymal stem cells rescues erectile function in the streptozotocin-induced diabetic mouse. 2016 , 4, 172-84	21

879	Influence of bone marrow stromal cell secreted molecules on pulpal and periodontal healing in replanted immature rat molars. 2016 , 32, 231-9	3
878	Anti-apoptotic Effects of Human Wharton's Jelly-derived Mesenchymal Stem Cells on Skeletal Muscle Cells Mediated via Secretion of XCL1. 2016 , 24, 1550-60	33
877	Immunomodulatory capacity of the local mesenchymal stem cells transplantation after severe skeletal muscle injury in female rats. 2016 , 38, 414-422	18
876	Effect of low oxygen tension on the biological characteristics of human bone marrow mesenchymal stem cells. 2016 , 21, 1089-1099	38
875	Stem Cell Therapy for the Heart: Blind Alley or Magic Bullet?. 2016 , 9, 405-418	20
874	Adult Stem Cell Therapy and Heart Failure, 2000 to 2016: A Systematic Review. 2016 , 1, 831-841	175
873	Lipopolysaccharide treatment induces genome-wide pre-mRNA splicing pattern changes in mouse bone marrow stromal stem cells. 2016 , 17 Suppl 7, 509	2
872	Bone Marrow Stromal Stem Cells for Bone Repair: Basic and Translational Aspects. 2016 , 213-232	4
871	VEGF-loaded microsphere patch for local protein delivery to the ischemic heart. 2016 , 45, 169-181	48
870	Mesenchymal stromal cell injection promotes vocal fold scar repair without long-term engraftment. 2016 , 18, 1284-96	12
869	Biomaterial strategies to improve the efficacy of bone marrow cell therapy for myocardial infarction. 2016 , 16, 1501-1516	4
868	New strategies for improving stem cell therapy in ischemic heart disease. 2016 , 21, 737-752	31
867	Controlled Release of Collagen-Binding SDF-1 β Improves Cardiac Function after Myocardial Infarction by Recruiting Endogenous Stem Cells. 2016 , 6, 26683	29
866	Intracoronary Transplantation of Mesenchymal Stem Cells with Overexpressed Integrin-Linked Kinase Improves Cardiac Function in Porcine Myocardial Infarction. 2016 , 6, 19155	28
865	Progenitor cell secretory products exert additive renoprotective effects when combined with ace inhibitors in experimental CKD. 2016 , 17,	2
864	Therapeutic effects of adipose-derived stem cells pretreated with pioglitazone in an emphysema mouse model. 2016 , 48, e266	22
863	The human amniotic fluid stem cell secretome effectively counteracts doxorubicin-induced cardiotoxicity. 2016 , 6, 29994	40
862	Could stem cells be the future therapy for sepsis?. 2016 , 30, 439-452	8

861	Harnessing mesenchymal stem cell homing as an anticancer therapy. 2016 , 16, 1079-92	29
860	Mesenchymal stem cells preserve neonatal right ventricular function in a porcine model of pressure overload. 2016 , 310, H1816-26	36
859	Mesenchymal stem cells suppress cardiac alternans by activation of PI3K mediated nitroso-redox pathway. 2016 , 98, 138-45	5
858	Rebuilding the Damaged Heart: Mesenchymal Stem Cells, Cell-Based Therapy, and Engineered Heart Tissue. 2016 , 96, 1127-68	190
857	Exosomes secreted by mesenchymal stem cells promote endothelial cell angiogenesis by transferring miR-125a. 2016 , 129, 2182-9	290
856	Development of a new therapeutic technique to direct stem cells to the infarcted heart using targeted microbubbles: StemBells. 2016 , 17, 6-15	17
855	Fortune Favors the Prepared: Safety and Efficacy of Allogeneic Hypoxia Preconditioned Mesenchymal Stromal Cells in Primates. <i>Circulation Research</i> , 2016 , 118, 908-10	15.7
854	Cardiac atrial appendage stem cells promote angiogenesis in vitro and in vivo. 2016 , 97, 235-44	14
853	Doxorubicin cardiotoxicity and target cells: a broader perspective. 2016 , 2, 2	35
852	Tendon-Derived Stem Cells for Rotator Cuff Repair. 2016 , 26, 147-154	2
851	Secreted Endothelial Cell Factors Immobilized on Collagen Scaffolds Enhance the Recipient Endothelial Cell Environment. 2016 , 5, 61-71	1
850	Pericytes: A newly recognized player in wound healing. 2016 , 24, 204-14	55
849	Current concepts related to hypertrophic scarring in burn injuries. 2016 , 24, 466-77	47
848	Decellularized myocardial matrix hydrogels: In basic research and preclinical studies. 2016 , 96, 77-82	99
847	Pluripotent Stem Cells and Other Innovative Strategies for the Treatment of Ocular Surface Diseases. 2016 , 12, 171-8	15
846	Mesenchymal stem cells and chronic renal artery stenosis. 2016 , 310, F6-9	13
845	Emerging Concepts in Paracrine Mechanisms in Regenerative Cardiovascular Medicine and Biology. <i>Circulation Research</i> , 2016 , 118, 95-107	15.7 167
844	An insulin signaling feedback loop regulates pancreas progenitor cell differentiation during islet development and regeneration. 2016 , 409, 354-69	19

843	Current State of Stem Cell Therapy for Ischemic Heart Disease. 2016 , 18, 17	9
842	Cardiovascular progenitor-derived extracellular vesicles recapitulate the beneficial effects of their parent cells in the treatment of chronic heart failure. 2016 , 35, 795-807	121
841	Exosomal miRNAs in Heart Disease. 2016 , 31, 16-24	30
840	Engraftability of Murine Bone Marrow-Derived Multipotent Mesenchymal Stem Cell Subpopulations in the Tissues of Developing Mice following Systemic Transplantation. 2016 , 201, 14-25	6
839	Neuroprotective Effect of Human Adipose Stem Cell-Derived Extract in Amyotrophic Lateral Sclerosis. 2016 , 41, 913-23	13
838	Biomaterial strategies for controlling stem cell fate via morphogen sequestration. 2016 , 4, 3464-3481	19
837	Insight on stem cell preconditioning and instructive biomaterials to enhance cell adhesion, retention, and engraftment for tissue repair. 2016 , 90, 85-115	71
836	Mesenchymal stem cell derived secretome and extracellular vesicles for acute lung injury and other inflammatory lung diseases. 2016 , 16, 859-71	115
835	Stem Cells and Pregnancy Disorders: From Pathological Mechanisms to Therapeutic Horizons. 2016 , 34, 17-26	1
834	Cell Therapy Augments Myocardial Perfusion and Improves Quality of Life in Patients With Refractory Angina. <i>Circulation Research</i> , 2016 , 118, 911-5	15.7 3
833	Human Mesenchymal Stromal Cells Improve Cardiac Perfusion in an Ovine Immunocompetent Animal Model. 2016 , 29, 218-25	7
832	Effects of mesenchymal stem cell-derived cytokines on the functional properties of endothelial progenitor cells. 2016 , 95, 153-63	22
831	Delivery Modes for Cardiac Stem Cell Therapy. 2016 , 165-190	2
830	Human adipose-derived stem cells promote vascularization of collagen-based scaffolds transplanted into nude mice. 2016 , 11, 261-71	27
829	Building and re-building the heart by cardiomyocyte proliferation. 2016 , 143, 729-40	162
828	The angiogenic variation of skeletal site-specific human BMSCs from same alveolar cleft patients: a comparative study. 2016 , 47, 153-68	18
827	Stem cells and injectable hydrogels: Synergistic therapeutics in myocardial repair. 2016 , 34, 362-379	76
826	Therapeutic potential of mesenchymal stem cells for pulmonary complications associated with preterm birth. 2016 , 74, 18-32	11

825	Stem Cells and Cardiac Regeneration. 2016 ,	0
824	Stem cells in clinical practice for cardiovascular diseases. 2016 , 23, 49-56	0
823	Direct transplantation of native pericytes from adipose tissue: A new perspective to stimulate healing in critical size bone defects. 2016 , 18, 41-52	27
822	Introduction and Overview of Stem Cells. 2016 , 3-11	
821	Inhibition of Rho-Associated Protein Kinase Increases the Angiogenic Potential of Mesenchymal Stem Cell Aggregates via Paracrine Effects. 2016 , 22, 233-43	10
820	Cell therapy for full-thickness wounds: are fetal dermal cells a potential source?. 2016 , 364, 83-94	12
819	Reconstitute the damaged heart via the dual reparative roles of pericardial adipose-derived flk-1+ stem cells. 2016 , 202, 256-64	6
818	Heart-on-a-chip based on stem cell biology. 2016 , 75, 67-81	60
817	Stem Cells in Skin Wound Healing: Are We There Yet?. 2016 , 5, 164-175	77
816	Alginate biomaterial for the treatment of myocardial infarction: Progress, translational strategies, and clinical outlook: From ocean algae to patient bedside. 2016 , 96, 54-76	169
815	Quantitative evaluation of human bone mesenchymal stem cells rescuing fulminant hepatic failure in pigs. 2017 , 66, 955-964	61
814	Combinatorial therapy with three-dimensionally cultured adipose-derived stromal cells and self-assembling peptides to enhance angiogenesis and preserve cardiac function in infarcted hearts. 2017 , 11, 2816-2827	18
813	Dose-dependency and reversibility of radiation-induced injury in cardiac explant-derived cells of mice. 2017 , 7, 40959	2
812	HASF (C3orf58) is a novel ligand of the insulin-like growth factor 1 receptor. 2017 , 474, 771-780	11
811	Possible Muscle Repair in the Human Cardiovascular System. 2017 , 13, 170-191	26
810	TNF-alpha stimulation increases dental pulp stem cell migration in vitro through integrin alpha-6 subunit upregulation. 2017 , 75, 48-54	7
809	The Protein Content of Extracellular Vesicles Derived from Expanded Human Umbilical Cord Blood-Derived CD133 and Human Bone Marrow-Derived Mesenchymal Stem Cells Partially Explains Why both Sources are Advantageous for Regenerative Medicine. 2017 , 13, 244-257	37
808	Intravenously Delivered Mesenchymal Stem Cells: Systemic Anti-Inflammatory Effects Improve Left Ventricular Dysfunction in Acute Myocardial Infarction and Ischemic Cardiomyopathy. <i>Circulation Research</i> , 2017 , 120, 1598-1613	15.7 106

807	Exosomal MicroRNAs Released by Pediatric Cardiac Progenitor Cells. <i>Circulation Research</i> , 2017 , 120, 607-609	15.7	1
806	First Characterization of Human Amniotic Fluid Stem Cell Extracellular Vesicles as a Powerful Paracrine Tool Endowed with Regenerative Potential. 2017 , 6, 1340-1355		73
805	Rat umbilical cord blood cells attenuate hypoxic-ischemic brain injury in neonatal rats. 2017 , 7, 44111		21
804	Paracrine Activity from Adipose-Derived Stem Cells on In Vitro Wound Healing in Human Tympanic Membrane Keratinocytes. 2017 , 26, 405-418		26
803	Resveratrol activates endogenous cardiac stem cells and improves myocardial regeneration following acute myocardial infarction. 2017 , 15, 1188-1194		20
802	Angiogenic characteristics of human stromal vascular fraction in ischemic hindlimb. 2017 , 234, 38-47		12
801	Comparative analysis of curative effect of bone marrow mesenchymal stem cell and bone marrow mononuclear cell transplantation for spastic cerebral palsy. 2017 , 15, 48		32
800	Elaboration and evaluation of alginate foam scaffolds for soft tissue engineering. 2017 , 524, 433-442		23
799	Effect of the Microenvironment on Mesenchymal Stem Cell Paracrine Signaling: Opportunities to Engineer the Therapeutic Effect. 2017 , 26, 617-631		204
798	Intact wound repair activity of human mesenchymal stem cells after YM155 mediated selective ablation of undifferentiated human embryonic stem cells. 2017 , 86, 123-131		9
797	Absence of NUCKS augments paracrine effects of mesenchymal stem cells-mediated cardiac protection. 2017 , 356, 74-84		18
796	Outcomes of autologous bone marrow mononuclear cells for cerebral palsy: an open label uncontrolled clinical trial. 2017 , 17, 104		24
795	Trophic Effects of Mesenchymal Stem Cells in Tissue Regeneration. 2017 , 23, 515-528		142
794	Intramyocardial fate and effect of iron nanoparticles co-injected with MACS purified stem cell products. 2017 , 135, 74-84		19
793	Vascular Endothelial Growth Factor Prevents Endothelial-to-Mesenchymal Transition in Hypertrophy. 2017 , 104, 932-939		14
792	Human Neural Stem Cell Therapy for Chronic Ischemic Stroke: Charting Progress from Laboratory to Patients. 2017 , 26, 933-947		53
791	Effect of 2-octylcyanoacrylate on placenta derived mesenchymal stromal cells on extracellular matrix. 2017 , 59, 163-168		2
790	The efficacy of human placenta-derived mesenchymal stem cells on radiation enteropathy along with proteomic biomarkers predicting a favorable response. 2017 , 8, 105		8

789	Manufacture and preparation of human placenta-derived mesenchymal stromal cells for local tissue delivery. 2017 , 19, 680-688		24
788	Concurrent Isolation of 3 Distinct Cardiac Stem Cell Populations From a Single Human Heart Biopsy. <i>Circulation Research</i> , 2017 , 121, 113-124	15.7	40
787	Pathophysiological aldosterone levels modify the secretory activity of cardiac progenitor cells. 2017 , 439, 16-25		3
786	A Deep Proteome Analysis Identifies the Complete Secretome as the Functional Unit of Human Cardiac Progenitor Cells. <i>Circulation Research</i> , 2017 , 120, 816-834	15.7	88
785	RhoA/ROCK inhibition improves the beneficial effects of glucocorticoid treatment in dystrophic muscle: implications for stem cell depletion. 2017 , 26, 2813-2824		8
784	Nkx2.5 enhances the efficacy of mesenchymal stem cells transplantation in treatment heart failure in rats. 2017 , 182, 65-72		8
783	Programming cells for cardiac repair. 2017 , 47, 43-50		4
782	Stem cell therapy with skeletal myoblasts accelerates neointima formation in a mouse model of vein graft disease. 2017 , 69, 598-604		2
781	Pancreas, Kidney and Skin Regeneration. 2017 ,		1
780	Morphological and functional changes in bone marrow mesenchymal stem cells in rats with heart failure. 2017 , 13, 2888-2892		4
779	Heart Failure. 2017 ,		4
778	Cardiac Cell Therapies for the Treatment of Acute Myocardial Infarction: A Meta-Analysis from Mouse Studies. 2017 , 42, 254-268		21
777	Cellular Layer-by-Layer Coculture Platform Using Biodegradable, Nanoarchitected Membranes for Stem Cell Therapy. 2017 , 29, 5134-5147		14
776	Stem cell therapy for ischemic heart diseases. 2017 , 121, 135-154		72
775	Forging the Fate of Cellular Therapies for Cardiovascular Disease. <i>Circulation Research</i> , 2017 , 120, 1871-1873	15.7	1
774	Myocardial Reparative Properties of Cardiac Mesenchymal Cells Isolated on the Basis of Adherence. 2017 , 69, 1824-1838		34
773	Secreted factors from equine mesenchymal stromal cells diminish the effects of TGF- β 1 on equine dermal fibroblasts and alter the phenotype of dermal fibroblasts isolated from cutaneous fibroproliferative wounds. 2017 , 25, 234-247		12
772	Mesenchymal Stem Cell Therapy for the Treatment of Heart Failure Caused by Ischemic or Non-ischemic Cardiomyopathy: Immunosuppression and Its Implications. 2017 , 243, 329-353		6

771 Non-coding RNAs in the Vasculature. **2017**,

770 Proteomics-based network analysis characterizes biological processes and pathways activated by preconditioned mesenchymal stem cells in cardiac repair mechanisms. **2017**, 1861, 1190-1199 8

769 C-Kit Positive Cardiac Stem Cells and Bone Marrow-Derived Mesenchymal Stem Cells Synergistically Enhance Angiogenesis and Improve Cardiac Function After Myocardial Infarction in a Paracrine Manner. **2017**, 23, 403-415 43

768 Fabrication of Synthetic Mesenchymal Stem Cells for the Treatment of Acute Myocardial Infarction in Mice. *Circulation Research*, **2017**, 120, 1768-1775 15.7 118

767 New Developments in Cardiac Regeneration. **2017**, 26, 316-322 13

766 Bone marrow mesenchymal stem cell transplantation improves radiation-induced heart injury through DNA damage repair in rat model. **2017**, 56, 63-77 20

765 Liver, Lung and Heart Regeneration. **2017**,

764 Stem Cell Therapy for Ischemic Heart Disease. **2017**, 165-195 1

763 The Diverse Roles of Hydrogel Mechanics in Injectable Stem Cell Transplantation. **2017**, 15, 15-23 47

762 VEGF gene therapy cooperatively recruits molecules from the immune system and stimulates cell homing and angiogenesis in refractory angina. **2017**, 91, 44-50 3

761 A Gingiva-Derived Mesenchymal Stem Cell-Laden Porcine Small Intestinal Submucosa Extracellular Matrix Construct Promotes Myomucosal Regeneration of the Tongue. **2017**, 23, 301-312 15

760 Past and Future of Cell-Based Heart Repair. **2017**, 1-17

759 Clinical Trials of Cardiac Regeneration Using Adult Stem Cells: Current and Future Prospects. **2017**, 359-379 1

758 Adipose stem cell neurospheres for Huntington's disease. **2017**, 19, 1546-1547

757 Mesenchymal stromal cells protect human cardiomyocytes from amyloid fibril damage. **2017**, 19, 1426-1437 7

756 Engineered systems for therapeutic angiogenesis. **2017**, 36, 34-43 13

755 Mesenchymal stem cells correct impaired diabetic wound healing by decreasing ECM proteolysis. **2017**, 49, 541-548 22

754 Paracrine Mechanisms of Intravenous Bone Marrow-Derived Mononuclear Stem Cells in Chronic Ischemic Stroke. **2016**, 6, 107-119 21

753	Regenerative Stem Cell Therapy Optimization via Tissue Engineering in Heart Failure with Reduced Ejection Fraction. 2017 , 8, 515-526	3
752	Invited Commentary. 2017 , 104, 939-941	
751	Exosomes Derived from Embryonic Stem Cells as Potential Treatment for Cardiovascular Diseases. 2017 , 998, 187-206	10
750	Exosomes: Outlook for Future Cell-Free Cardiovascular Disease Therapy. 2017 , 998, 285-307	12
749	Mechanisms of stem cell based cardiac repair-gap junctional signaling promotes the cardiac lineage specification of mesenchymal stem cells. 2017 , 7, 9755	17
748	Cell-Based Therapy in Ischemic Heart Disease. 2017 , 343-359	2
747	Differences in Stem Cell Processing Lead to Distinct Secretomes Secretion-Implications for Differential Results of Previous Clinical Trials of Stem Cell Therapy for Myocardial Infarction. 2017 , 12, 1600732	6
746	Mesenchymal stem/stromal cell extracellular vesicles: From active principle to next generation drug delivery system. 2017 , 262, 104-117	87
745	Molecular imaging in stem cell-based therapies of cardiac diseases. 2017 , 120, 71-88	9
744	Human umbilical cord blood-derived mesenchymal stromal cells and small intestinal submucosa hydrogel composite promotes combined radiation-wound healing of mice. 2017 , 19, 1048-1059	20
743	Cell Therapy for Ischemic Heart Disease. 2017 , 81-98	
742	The Inverted Heart Model for Interstitial Transudate Collection from the Isolated Rat Heart. 2017 ,	
741	Paracrine Effects of the Pluripotent Stem Cell-Derived Cardiac Myocytes Salvage the Injured Myocardium. <i>Circulation Research</i> , 2017 , 121, e22-e36	15.7 90
740	Valproic acid enforces the priming effect of sphingosine-1 phosphate on human mesenchymal stem cells. 2017 , 40, 739-747	15
739	A New Chapter for Mesenchymal Stem Cells: Decellularized Extracellular Matrices. 2017 , 13, 587-597	12
738	Impact of cell culture parameters on production and vascularization bioactivity of mesenchymal stem cell-derived extracellular vesicles. 2017 , 2, 170-179	82
737	Harnessing Epicardial Progenitor Cells and Their Derivatives for Rescue and Repair of Cardiac Tissue After Myocardial Infarction. 2017 , 3, 149-158	2
736	Clinical Safety and Applications of Stem Cell Gene Therapy. 2017 , 67-89	

735	Safety and Efficacy of Allogeneic Lung Spheroid Cells in a Mismatched Rat Model of Pulmonary Fibrosis. 2017 , 6, 1905-1916	16
734	Therapy with mesenchymal stromal cells or conditioned medium reverse cardiac alterations in a high-fat diet-induced obesity model. 2017 , 19, 1176-1188	16
733	Bioengineered Cardiac Tissue Based on Human Stem Cells for Clinical Application. 2018 , 163, 117-146	1
732	Exosomes: biology, therapeutic potential, and emerging role in musculoskeletal repair and regeneration. 2017 , 1410, 57-67	33
731	Cell-Based Therapy for Myocardial Dysfunction After Fontan Operation in Hypoplastic Left Heart Syndrome. 2017 , 1, 185-191	5
730	Fibrous scaffolds potentiate the paracrine function of mesenchymal stem cells: A new dimension in cell-material interaction. 2017 , 141, 74-85	126
729	Histone Deacetylase 1 Depletion Activates Human Cardiac Mesenchymal Stromal Cell Proangiogenic Paracrine Signaling Through a Mechanism Requiring Enhanced Basic Fibroblast Growth Factor Synthesis and Secretion. 2017 , 6,	7
728	Therapeutic Angiogenesis. 2017 ,	1
727	Is Cardioprotection Dead?. 2017 , 136, 98-109	40
726	Intramuscular injection of human umbilical cord-derived mesenchymal stem cells improves cardiac function in dilated cardiomyopathy rats. 2017 , 8, 18	32
725	Effect of bone marrow-derived mesenchymal stem cells and stem cell supernatant on equine corneal wound healing in vitro. 2017 , 8, 120	23
724	Hydrogel based approaches for cardiac tissue engineering. 2017 , 523, 454-475	78
723	Advances in Stem Cell Therapy. 2017 ,	3
722	Advances in bone marrow stem cell therapy for retinal dysfunction. 2017 , 56, 148-165	69
721	Inhibition of microRNA-495 Enhances Therapeutic Angiogenesis of Human Induced Pluripotent Stem Cells. 2017 , 35, 337-350	26
720	Mesenchymal Stem Cell Therapy Protects Lungs from Radiation-Induced Endothelial Cell Loss by Restoring Superoxide Dismutase 1 Expression. 2017 , 26, 563-582	56
719	Exosomes Derived from Akt-Modified Human Umbilical Cord Mesenchymal Stem Cells Improve Cardiac Regeneration and Promote Angiogenesis via Activating Platelet-Derived Growth Factor D. 2017 , 6, 51-59	174
718	Transplantation of Adipose-Derived Stem Cell Sheet Attenuates Adverse Cardiac Remodeling in Acute Myocardial Infarction. 2017 , 23, 1-11	19

7 ¹⁷	Reversal of Bone Marrow Mobilopathy and Enhanced Vascular Repair by Angiotensin-(1-7) in Diabetes. 2017 , 66, 505-518	22
7 ¹⁶	A comparison in therapeutic efficacy of several time points of intravenous StemBell administration in a rat model of acute myocardial infarction. 2017 , 19, 131-140	5
7 ¹⁵	Can the outcomes of mesenchymal stem cell-based therapy for myocardial infarction be improved? Providing weapons and armour to cells. 2017 , 50,	32
7 ¹⁴	Progenitor cells from atria, ventricle and peripheral blood of the same patients exhibit functional differences associated with cardiac repair. 2017 , 228, 412-421	9
7 ¹³	Allogeneic major histocompatibility complex-mismatched equine bone marrow-derived mesenchymal stem cells are targeted for death by cytotoxic anti-major histocompatibility complex antibodies. 2017 , 49, 539-544	52
7 ¹²	Efficacy of Cellular Therapy for Diabetic Foot Ulcer: A Meta-Analysis of Randomized Controlled Clinical Trials. 2017 , 26, 1931-1939	10
7 ¹¹	Tanshinone IIA and Astragaloside IV promote the angiogenesis of mesenchymal stem cell-derived endothelial cell-like cells via upregulation of , and. 2018 , 15, 1847-1854	13
7 ¹⁰	Cell shape information is transduced through tension-independent mechanisms. 2017 , 8, 2145	31
7 ⁰⁹	Comparison between mandibular and femur derived bone marrow stromal cells: osteogenic and angiogenic potentials in vitro and bone repairing ability in vivo. 2017 , 7, 56220-56228	5
7 ⁰⁸	SFRP2 enhances the osteogenic differentiation of apical papilla stem cells by antagonizing the canonical WNT pathway. 2017 , 22, 14	20
7 ⁰⁷	Antimicrobial peptides secreted by equine mesenchymal stromal cells inhibit the growth of bacteria commonly found in skin wounds. 2017 , 8, 157	53
7 ⁰⁶	Myocardial Regeneration for Humans - Modifying Biology and Manipulating Evolution. 2017 , 81, 142-148	9
7 ⁰⁵	Platelet Lysate to Promote Angiogenic Cell Therapies. 2017 ,	1
7 ⁰⁴	Cardiac Stem Cells for Myocardial Regeneration: They Are Not Alone. 2017 , 4, 47	46
7 ⁰³	Transplantation of Menstrual Blood-Derived Mesenchymal Stem Cells Promotes the Repair of LPS-Induced Acute Lung Injury. 2017 , 18,	76
7 ⁰²	Insights Into Signaling in Cell-Based Therapy for Heart Disease. 2017 , 6, 117864341771768	
7 ⁰¹	Mesenchymal Stem Cell Secretome: Toward Cell-Free Therapeutic Strategies in Regenerative Medicine. 2017 , 18,	501
7 ⁰⁰	Effects of Metal Micro and Nano-Particles on hASCs: An In Vitro Model. 2017 , 7,	13

699	Transplantation of mature adipocyte-derived dedifferentiated fat cells into three-wall defects in the rat periodontium induces tissue regeneration. 2017 , 59, 611-620	11
698	Optimal Dose and Timing of Umbilical Stem Cells Treatment in Pulmonary Arterial Hypertensive Rats. 2017 , 58, 570-580	7
697	3D Bioprinting and In Vitro Cardiovascular Tissue Modeling. 2017 , 4,	49
696	The Current Use of Stem Cells in Bladder Tissue Regeneration and Bioengineering. 2017 , 5,	19
695	New Delivery Systems of Stem Cells for Vascular Regeneration in Ischemia. 2017 , 4, 7	12
694	MiRroring the Multiple Potentials of MicroRNAs in Acute Myocardial Infarction. 2017 , 4, 73	29
693	Advances of Stem Cell Therapeutics in Cutaneous Wound Healing and Regeneration. 2017 , 2017, 5217967	102
692	Cell Therapies in Cardiomyopathy: Current Status of Clinical Trials. 2017 , 2017, 9404057	23
691	Oxidative Stress and Cellular Response to Doxorubicin: A Common Factor in the Complex Milieu of Anthracycline Cardiotoxicity. 2017 , 2017, 1521020	163
690	Adipose Tissue-Derived Stem Cells for Myocardial Regeneration. 2017 , 47, 151-159	22
689	Geometry-dependent functional changes in iPSC-derived cardiomyocytes probed by functional imaging and RNA sequencing. 2017 , 12, e0172671	14
688	Engineered stem cell niche matrices for rotator cuff tendon regenerative engineering. 2017 , 12, e0174789	45
687	Accelerated decline in cardiac stem cell efficiency in Spontaneously hypertensive rat compared to normotensive Wistar rat. 2017 , 12, e0189129	8
686	Omentin-1 effects on mesenchymal stem cells: proliferation, apoptosis, and angiogenesis in vitro. 2017 , 8, 224	23
685	The role of bone marrow mononuclear cell-conditioned medium in the proliferation and migration of human dermal fibroblasts. 2017 , 22, 29	7
684	Angiogenic potency evaluation of cell therapy candidates by a novel application of the in vitro aortic ring assay. 2017 , 8, 184	12
683	Overexpression of hypoxia-inducible factor 1 alpha improves immunomodulation by dental mesenchymal stem cells. 2017 , 8, 208	47
682	A nanostructure-enabled fluorescence chip for monitoring cell secretion. 2017 ,	1

681	Inhibitory effects of mouse bone marrow mesenchymal stem cell soup on staurosporine-induced cell death in MCF-7 and AGS. 2017 , 118, 34-43	1
680	Clinical neurorestorative progresses in cerebral palsy. 2017 , Volume 5, 51-57	4
679	Bone Marrow-Derived Cell Recruitment to the Neurosensory Retina and Retinal Pigment Epithelial Cell Layer Following Subthreshold Retinal Phototherapy. 2017 , 58, 5164-5176	16
678	Delivery and Tracking Considerations for Cell-Based Therapies. 2017 , 61-96	
677	Mechanical and Chemical Predifferentiation of Mesenchymal Stem Cells Into Cardiomyocytes and Their Effectiveness on Acute Myocardial Infarction. 2018 , 42, E114-E126	8
676	Concise Review: Is Cardiac Cell Therapy Dead? Embarrassing Trial Outcomes and New Directions for the Future. 2018 , 7, 354-359	74
675	Engineering and Application of Pluripotent Stem Cells. 2018 ,	
674	Anti-aging Properties of Conditioned Media of Epidermal Progenitor Cells Derived from Mesenchymal Stem Cells. 2018 , 8, 229-244	9
673	Understanding the mechanism of bias signaling of the insulin-like growth factor 1 receptor: Effects of LL37 and HASF. 2018 , 46, 113-119	6
672	The effect of mesenchymal stem cells combined with platelet-rich plasma on skin wound healing. 2018 , 17, 650-659	16
671	Human adipose mesenchymal stem cells overexpressing dual chemotactic gene showed enhanced angiogenic capacity in ischaemic hindlimb model. 2018 , 114, 1400-1409	8
670	Cigarette Smoking Impairs Adipose Stromal Cell Vasculogenic Activity and Abrogates Potency to Ameliorate Ischemia. 2018 , 36, 856-867	11
669	The Delta Opioid Peptide DADLE Represses Hypoxia-Reperfusion Mimicked Stress Mediated Apoptotic Cell Death in Human Mesenchymal Stem Cells in Part by Downregulating the Unfolded Protein Response and ROS along with Enhanced Anti-Inflammatory Effect. 2018 , 14, 558-573	9
668	SDF1 gradient associates with the distribution of c-Kit ⁺ cardiac cells in the heart. 2018 , 8, 1160	8
667	Genetic modification to induce CXCR2 overexpression in mesenchymal stem cells enhances treatment benefits in radiation-induced oral mucositis. 2018 , 9, 229	20
666	Bladder regeneration through stem cell therapy. 2018 , 18, 525-544	7
665	Synthetic extracellular matrix mimic hydrogel improves efficacy of mesenchymal stromal cell therapy for ischemic cardiomyopathy. 2018 , 70, 71-83	29
664	Stem Cells for Urinary Incontinence: Functional Differentiation or Cytokine Effects?. 2018 , 117, 9-17	14

663	Hydrogel biomaterials and their therapeutic potential for muscle injuries and muscular dystrophies. 2018 , 15,	41
662	Bone marrow-derived mononuclear cell therapy for nonischaemic dilated cardiomyopathy-A meta-analysis. 2018 , 48, e12894	9
661	Alginates and Their Biomedical Applications. 2018 ,	20
660	CCN5/WISP2 and metabolic diseases. 2018 , 12, 309-318	11
659	A Tumor Necrosis Factor- α and Hypoxia-Induced Secretome Therapy for Myocardial Repair. 2018 , 105, 715-723	15
658	Optimized lentiviral transduction of human amniotic mesenchymal stromal cells. 2018 , 127, 49-57	3
657	Physiologic, Pathologic, and Therapeutic Paracrine Modulation of Cardiac Excitation-Contraction Coupling. <i>Circulation Research</i> , 2018 , 122, 167-183	15.7 42
656	Preclinical Studies of Stem Cell Therapy for Heart Disease. <i>Circulation Research</i> , 2018 , 122, 1006-1020	15.7 72
655	Fertility rescue and ovarian follicle growth promotion by bone marrow stem cell infusion. 2018 , 109, 908-918.e2	61
654	Human adipose-derived mesenchymal stem cells promote recovery of injured HepG2 cell line and show sign of early hepatogenic differentiation. 2018 , 70, 1221-1233	6
653	Functional Outcome of Human Adipose Stem Cell Injections in Rat Anal Sphincter Acute Injury Model. 2018 , 7, 295-304	14
652	Mesenchymal stromal cells regulate the cell mobility and the immune response during osteogenesis through secretion of vascular endothelial growth factor A. 2018 , 12, e566-e578	20
651	Cell therapy for heart disease after 15 years: Unmet expectations. 2018 , 127, 77-91	41
650	Blockade of Neuroglobin Reduces Protection of Conditioned Medium from Human Mesenchymal Stem Cells in Human Astrocyte Model (T98G) Under a Scratch Assay. 2018 , 55, 2285-2300	26
649	Doxorubicin targets multiple players: A new view of an old problem. 2018 , 127, 4-14	79
648	Granulocyte colony-stimulating factor for the treatment of cardiovascular diseases: An update with a critical appraisal. 2018 , 127, 67-76	9
647	Stem Cell Therapy: A New Therapeutic Option for Cardiovascular Diseases. 2018 , 119, 95-104	83
646	The role of secreted factors in stem cells-mediated immune regulation. 2018 , 326, 24-32	60

645	The atrial appendage as a suitable source to generate cardiac-derived adherent proliferating cells for regenerative cell-based therapies. 2018 , 12, e1404-e1417	6
644	Therapeutic strategies utilizing SDF-1 β in ischaemic cardiomyopathy. 2018 , 114, 358-367	26
643	Critical View on Mesenchymal Stromal Cells in Regenerative Medicine. 2018 , 29, 169-190	25
642	Pericytes and their potential in regenerative medicine across species. 2018 , 93, 50-59	17
641	Tendon Tissue Engineering: Mechanism and Effects of Human Tenocyte Coculture With Adipose-Derived Stem Cells. 2018 , 43, 183.e1-183.e9	8
640	Fetal surgical repair with placenta-derived mesenchymal stromal cell engineered patch in a rodent model of myelomeningocele. 2017 ,	21
639	Micro-Nanostructures of Cellulose-Collagen for Critical Sized Bone Defect Healing. 2018 , 18, 1700263	14
638	Mesenchymal Stem Cell Therapy Prevents Abortion in CBA/J DBA/2 Mating. 2018 , 25, 1261-1269	15
637	Alginate Application for Heart and Cardiovascular Diseases. 2018 , 185-212	9
636	Cardiosphere-Derived Cells and Ischemic Heart Failure. 2018 , 26, 8-21	29
635	Networked concave microwell arrays for constructing 3D cell spheroids. 2017 , 10, 015001	30
634	Exosomes derived from human umbilical cord mesenchymal stem cells improve myocardial repair via upregulation of Smad7. 2018 , 41, 3063-3072	27
633	Doxorubicin Cardiotoxicity: Multiple Targets and Translational Perspectives. 2018 ,	3
632	Cell Spray Transplantation of Adipose-derived Mesenchymal Stem Cell Recovers Ischemic Cardiomyopathy in a Porcine Model. 2018 , 102, 2012-2024	14
631	OBSOLETE: Cardiac Regeneration and Stem Cells as Therapy for Heart Disease. 2018 ,	
630	Environmental Pollutants on Angiogenesis and Vascular Development. 2018 , 115-145	1
629	Role of interleukin-7 in fusion of rat bone marrow mesenchymal stem cells with cardiomyocytes in vitro and improvement of cardiac function in vivo. 2018 , 36, e12479	7
628	Occlusive dressing-induced secretomes influence the migration and proliferation of mesenchymal stem cells and fibroblasts differently. 2018 , 23, 60	4

627	Androgen action augments ischemia-induced, bone marrow progenitor cell-mediated vasculogenesis. 2018 , 14, 1985-1992	2
626	A New Era of Cardiac Cell Therapy: Opportunities and Challenges. 2019 , 8, e1801011	37
625	Characterization of Human Mesenchymal Stem Cells Isolated from the Testis. 2018 , 2018, 4910304	10
624	A Path Forward for Regenerative Medicine. <i>Circulation Research</i> , 2018 , 123, 495-505	15.7 4
623	Pretreatment with an angiotensin II receptor blocker abolished ameliorating actions of adipose-derived stem cell sheets on cardiac dysfunction and remodeling after myocardial infarction. 2018 , 9, 79-88	6
622	Mesenchymal Stem Cell Therapy for Ischemic Heart Disease: Systematic Review and Meta-analysis. 2018 , 11, 1-12	55
621	A Bioprinted Cardiac Patch Composed of Cardiac-Specific Extracellular Matrix and Progenitor Cells for Heart Repair. 2018 , 7, e1800672	112
620	The Role of miR-126 in Critical Limb Ischemia Treatment Using Adipose-Derived Stem Cell Therapeutic Factor Concentrate and Extracellular Matrix Microparticles. 2018 , 24, 511-522	4
619	Adult Stem Cells for Regenerative Therapy. 2018 , 160, 1-22	41
618	Mesenchymal stem cells alleviate experimental autoimmune cholangitis through immunosuppression and cytoprotective function mediated by galectin-9. 2018 , 9, 237	20
617	Trachea Engineering Using a Centrifugation Method and Mouse-Induced Pluripotent Stem Cells. 2018 , 24, 524-533	6
616	The Importance of Biophysical and Biochemical Stimuli in Dynamic Skeletal Muscle Models. 2018 , 9, 1130	23
615	In Situ Cross-Linkable Hydrogels as a Dynamic Matrix for Tissue Regenerative Medicine. 2018 , 15, 547-557	22
614	In vitro And In vivo Immunomodulating Properties of Mesenchymal Stem Cells. 2018 , 12, 59-68	11
613	Human Adipose-Derived Stem Cells for Tissue Engineering Approaches: Current Challenges and Perspectives. 2018 ,	1
612	Differential Proteomic Analysis Predicts Appropriate Applications for the Secretome of Adipose-Derived Mesenchymal Stem/Stromal Cells and Dermal Fibroblasts. 2018 , 2018, 7309031	24
611	Bone marrow-derived mesenchymal stem cell-conditioned medium attenuates tubulointerstitial fibrosis by inhibiting monocyte mobilization in an irreversible model of unilateral ureteral obstruction. 2018 , 17, 7701-7707	9
610	A comprehensive meta-analysis of stem cell therapy for chronic angina. 2018 , 41, 525-531	5

609	Endogenous Radionanomedicine: Radiolabeling. 2018 , 141-152	
608	Suppression of T cells by mesenchymal and cardiac progenitor cells is partly mediated via extracellular vesicles. 2018 , 4, e00642	30
607	Transplantation of Bone Marrow Mesenchymal Stem Cells Prevents Radiation-Induced Artery Injury by Suppressing Oxidative Stress and Inflammation. 2018 , 2018, 5942916	18
606	A Novel Secretory Vesicle from Deer Antlerogenic Mesenchymal Stem Cell-Conditioned Media (DaMSC-CM) Promotes Tissue Regeneration. 2018 , 2018, 3891404	7
605	Autologous stem cell ovarian transplantation to increase reproductive potential in patients who are poor responders. 2018 , 110, 496-505.e1	44
604	Stem Cells Derived From the Placental Villi. 2018 , 187-200	1
603	Regeneration of Anti-Hypoxic Myocardial Cells by Transduction of Mesenchymal Stem Cell-Derived Exosomes Containing Tat-Metallothionein Fusion Proteins. 2018 , 26, 709-716	1
602	Stem Cell-Derived Exosome in Cardiovascular Diseases: Macro Roles of Micro Particles. 2018 , 9, 547	52
601	Cardiac Restoration Stemming From the Placenta Tree: Insights From Fetal and Perinatal Cell Biology. 2018 , 9, 385	12
600	Therapeutic Potential of Adipose Stem Cells. 2021 , 1341, 15-25	25
599	The march of pluripotent stem cells in cardiovascular regenerative medicine. 2018 , 9, 201	19
598	Exosomes derived from TRAIL-engineered mesenchymal stem cells with effective anti-tumor activity in a mouse melanoma model. 2018 , 549, 218-229	31
597	Peak MSC-Are We There Yet?. 2018 , 5, 178	45
596	3D functional scaffolds for cardiovascular tissue engineering. 2018 , 305-343	1
595	Cardiac Regeneration and Stem Cells as Therapy for Heart Disease. 2018 , 468-474	1
594	Dynamic Cultivation of Mesenchymal Stem Cell Aggregates. 2018 , 5,	34
593	New Myocyte Formation in the Adult Heart: Endogenous Sources and Therapeutic Implications. <i>Circulation Research</i> , 2018 , 123, 159-176	15.7 38
592	Clinical Studies of Cell Therapy in Cardiovascular Medicine: Recent Developments and Future Directions. <i>Circulation Research</i> , 2018 , 123, 266-287	15.7 81

591	Surface functionalization of polyurethane scaffolds mimicking the myocardial microenvironment to support cardiac primitive cells. 2018 , 13, e0199896	26
590	Long-Term Management After Coronary Microvascular Obstruction Complicating Reperfusion in ST-Elevation Myocardial Infarction. 2018 , 341-357	
589	Enhancement Strategies for Cardiac Regenerative Cell Therapy: Focus on Adult Stem Cells. <i>Circulation Research</i> , 2018 , 123, 177-187	15.7 19
588	Matrix Metalloproteinase-2 Impairs Homing of Intracoronary Delivered Mesenchymal Stem Cells in a Porcine Reperfused Myocardial Infarction: Comparison With Intramyocardial Cell Delivery. 2018 , 6, 35	8
587	An open-label proof-of-concept study of intrathecal autologous bone marrow mononuclear cell transplantation in intellectual disability. 2018 , 9, 19	2
586	Impact of bone marrow mesenchymal stem cell immunomodulation on the osteogenic effects of laponite. 2018 , 9, 100	32
585	High dose oral vitamin C and mesenchymal stem cells aid wound healing in a diabetic mouse model. 2018 , 27, 334-339	6
584	Adipose stem cells enhance excisional wound healing in a porcine model. 2018 , 229, 243-253	13
583	Regenerative Therapy for Cardiomyopathies. 2018 , 11, 357-365	15
582	Injury-induced fetal reprogramming imparts multipotency and reparative properties to pericardial adipose stem cells. 2018 , 9, 218	5
581	Functionalized cardiovascular stents: Cardiovascular stents incorporated with stem cells. 2018 , 251-290	1
580	Stem Cell Therapy in Heart Diseases - Cell Types, Mechanisms and Improvement Strategies. 2018 , 48, 2607-2655	108
579	Adipose tissue-derived extracellular fraction characterization: biological and clinical considerations in regenerative medicine. 2018 , 9, 207	29
578	The Biological Mechanisms of Action of Cardiac Progenitor Cell Therapy. 2018 , 20, 84	11
577	Biomaterials and Stem Cells: Promising Tools in Tissue Engineering and Biomedical Applications. 2018 ,	6
576	Mesenchymal Stem/Stromal Cell-Based Therapy for Heart Failure - What Is the Best Source?. 2018 , 82, 2222-2232	18
575	The Challenges of Stem Cell Therapy in Myocardial Infarction and Heart Failure and the Potential Strategies to Improve the Outcomes. 2018 , 08, 1841008	3
574	Silica nanoparticles actively engage with mesenchymal stem cells in improving acute functional cardiac integration. 2018 , 13, 1121-1138	14

573	Sustained release of targeted cardiac therapy with a replenishable implanted epicardial reservoir. 2018 , 2, 416-428	55
572	Fibrin Glue-aided, Instant Epicardial Placement Enhances the Efficacy of Mesenchymal Stromal Cell-Based Therapy for Heart Failure. 2018 , 8, 9448	13
571	Blocking Nox2 improves mesenchymal stem cells therapy in myocardial infarction via antagonizing oxidant and promoting survival. 2018 , 233, 7004-7015	7
570	The pulmonary microvasculature entraps induced vascular progenitor cells (iVPCs) systemically delivered after cardiac ischemia-reperfusion injury: Indication for preservation of heart function via paracrine effects beyond engraftment. 2019 , 26, e12493	7
569	Stem cells, blood vessels, and angiogenesis as major determinants for musculoskeletal tissue repair. 2019 , 37, 1212-1220	10
568	Effect of Exosomes from Rat Adipose-Derived Mesenchymal Stem Cells on Neurite Outgrowth and Sciatic Nerve Regeneration After Crush Injury. 2019 , 56, 1812-1824	93
567	Regenerative Medicine of the Bladder. 2019 , 1263-1279	2
566	Stem Cell Transplantation for Autoimmune Diseases and Inflammation. 2019 ,	1
565	Mesenchymal stem/stromal cell secretome for lung regeneration: The long way through "pharmaceuticalization" for the best formulation. 2019 , 309, 11-24	57
564	Novel Evidence of the Increase in Angiogenic Factor Plasma Levels after Lineage-Negative Stem/Progenitor Cell Intracoronary Infusion in Patients with Acute Myocardial Infarction. 2019 , 20,	5
563	C1q/tumor necrosis factor-related protein-3-engineered mesenchymal stromal cells attenuate cardiac impairment in mice with myocardial infarction. 2019 , 10, 530	15
562	Emerging Role of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in Pathogenesis of Haematological Malignancies. 2019 , 2019, 6854080	16
561	Human Placenta-Derived Mesenchymal Stromal Cells: A Review from Basic Research to Clinical Applications. 2019 ,	5
560	Intravascular Stem Cell Bioreactor for Prevention of Adverse Remodeling After Myocardial Infarction. 2019 , 8, e012351	9
559	Progenitor Cells Derived from Drain Waste Product of Open-Heart Surgery in Children. 2019 , 8,	2
558	Cardiovascular Regenerative Medicine. 2019 ,	3
557	Nanobiomaterial Advances in Cardiovascular Tissue Engineering. 2019 , 79-106	
556	CD73 Expression on Mesenchymal Stem Cells Dictates the Reparative Properties via Its Anti-Inflammatory Activity. 2019 , 2019, 8717694	21

555	Reduced Graphene Oxide Incorporated Acellular Dermal Composite Scaffold Enables Efficient Local Delivery of Mesenchymal Stem Cells for Accelerating Diabetic Wound Healing. 2019 , 5, 4054-4066	15
554	Overexpression of Nanog in amniotic fluid-derived mesenchymal stem cells accelerates dermal papilla cell activity and promotes hair follicle regeneration. 2019 , 51, 1-15	10
553	Human Umbilical Vein Endothelial Cells (HUVECs) Co-Culture with Osteogenic Cells: From Molecular Communication to Engineering Prevascularised Bone Grafts. 2019 , 8,	30
552	Potential Mechanisms Underlying Therapeutic Benefits of Stem Cell for Heart Failure. 2019 , 09, 1941004	
551	Mesenchymal Stem Cell-Platelet Aggregates Increased in the Peripheral Blood of Patients with Acute Myocardial Infarction and Might Depend on the Stromal Cell-Derived Factor 1/CXCR4 Axis. 2019 , 28, 1607-1619	7
550	Mesenchymal stem cells promote healing of nonsteroidal anti-inflammatory drug-related peptic ulcer through paracrine actions in pigs. 2019 , 11,	18
549	Mesenchymal stromal cell conditioned media for lung disease: a systematic review and meta-analysis of preclinical studies. 2019 , 20, 239	14
548	Hypoxia Conditioned Mesenchymal Stem Cell-Derived Extracellular Vesicles Induce Increased Vascular Tube Formation. 2019 , 7, 292	57
547	Clinical Translation of Pluripotent Stem Cell Therapies: Challenges and Considerations. 2019 , 25, 594-606	28
546	Electricity Generation from Capillary-Driven Ionic Solution Flow in a Three-Dimensional Graphene Membrane. 2019 , 11, 4922-4929	28
545	Cerium- and Iron-Oxide-Based Nanozymes in Tissue Engineering and Regenerative Medicine. 2019 , 9, 691	10
544	A Comparison of Phenotypic and Functional Properties of Mesenchymal Stromal Cells and Multipotent Adult Progenitor Cells. 2019 , 10, 1952	21
543	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. 2019 , 119, 11352-11390	24
542	Exosomes derived from cardiac progenitor cells attenuate CVB3-induced apoptosis via abrogating the proliferation of CVB3 and modulating the mTOR signaling pathways. 2019 , 10, 691	9
541	Adrenergic Blocker, Carvedilol, Abolishes Ameliorating Actions of Adipose-Derived Stem Cell Sheets on Cardiac Dysfunction and Remodeling After Myocardial Infarction. 2019 , 83, 2282-2291	4
540	Targeting senescence improves angiogenic potential of adipose-derived mesenchymal stem cells in patients with preeclampsia. 2019 , 10, 49	28
539	Application of Bioengineered Materials in the Surgical Management of Heart Failure. 2019 , 6, 123	3
538	Tissue-regenerative potential of the secretome of Irradiated peripheral blood mononuclear cells is mediated via TNFRSF1B-induced necroptosis. 2019 , 10, 729	14

537	Regulation of cardiac stem cells by microRNAs: State-of-the-art. 2019 , 120, 109447	5
536	Metformin Increases Proliferative Activity and Viability of Multipotent Stromal Stem Cells Isolated from Adipose Tissue Derived from Horses with Equine Metabolic Syndrome. 2019 , 8,	16
535	Mesenchymal stem cells in suppression or progression of hematologic malignancy: current status and challenges. 2019 , 33, 597-611	52
534	Pre-culture of adipose-derived stem cells and heterologous acellular dermal matrix: paracrine functions promote post-implantation neovascularization and attenuate inflammatory response. 2019 , 14, 035002	8
533	Magnetic Nanoparticle-Embedded Hydrogel Sheet with a Groove Pattern for Wound Healing Application. 2019 , 5, 3909-3921	16
532	Circulating mesenchymal stem cells in sulfur mustard-exposed patients with long-term pulmonary complications. 2019 , 312, 188-194	4
531	Ally to adversary: mesenchymal stem cells and their transformation in leukaemia. 2019 , 19, 139	8
530	Effect of passaging on the stemness of infrapatellar fat pad-derived stem cells and potential role of nucleostemin as a prognostic marker of impaired stemness. 2019 , 20, 813-829	3
529	Cardiomyocytes capture stem cell-derived, anti-apoptotic microRNA-214 via clathrin-mediated endocytosis in acute myocardial infarction. 2019 , 294, 11665-11674	31
528	Nomenclature and heterogeneity: consequences for the use of mesenchymal stem cells in regenerative medicine. 2019 , 14, 595-611	36
527	Ultrasensitive Electrochemiluminescence Aptasensor for Assessment of Protein Heterogeneity in Small Cell Population.. 2019 , 2, 3052-3058	5
526	Dynamic secretome of bone marrow-derived stromal cells reveals a cardioprotective biochemical cocktail. 2019 , 116, 14374-14383	15
525	Insights From 10-Year Outcomes of Mesenchymal Stem Cell Transplantation in Heart Failure Patients. 2019 , 83, 1446-1448	0
524	Optimization of Timing and Times for Administration of Atorvastatin-Pretreated Mesenchymal Stem Cells in a Preclinical Model of Acute Myocardial Infarction. 2019 , 8, 1068-1083	20
523	Asprosin improves the survival of mesenchymal stromal cells in myocardial infarction by inhibiting apoptosis via the activated ERK1/2-SOD2 pathway. 2019 , 231, 116554	25
522	Is Stem Cell Commerce in Small Animal Therapies Scientifically and Morally Justified?. 2019 , 15, 506-518	1
521	The neuroprotection of hypoxic adipose tissue-derived mesenchymal stem cells in experimental traumatic brain injury. 2019 , 28, 874-884	8
520	Long-Term Results of Intracardiac Mesenchymal Stem Cell Transplantation in Patients With Cardiomyopathy. 2019 , 83, 1590-1599	5

519	Atorvastatin enhances the therapeutic efficacy of mesenchymal stem cells-derived exosomes in acute myocardial infarction via up-regulating long non-coding RNA H19. 2020 , 116, 353-367	110
518	Standardized human bone marrow-derived stem cells infusion improves survival and recovery in a rat model of spinal cord injury. 2019 , 402, 16-29	8
517	Extracellular fraction of adipose tissue as an innovative regenerative approach for vitiligo treatment. 2019 , 28, 695-703	6
516	Pro-Angiogenic Actions of CMC-Derived Extracellular Vesicles Rely on Selective Packaging of Angiopoietin 1 and 2, but Not FGF-2 and VEGF. 2019 , 15, 530-542	11
515	A standard procedure for lentiviral-mediated labeling of murine mesenchymal stromal cells in vitro. 2019 , 66, 643-653	2
514	Knockdown of Tcf3 enhances the wound healing effect of bone marrow mesenchymal stem cells in rats. 2019 , 39,	
513	Rat sinus mucosa- and periosteum-derived exosomes accelerate osteogenesis. 2019 , 234, 21947-21961	8
512	Characteristic differences of cell sheets composed of mesenchymal stem cells with different tissue origins. 2019 , 11, 34-40	15
511	Mussel-Inspired Nanostructures Potentiate the Immunomodulatory Properties and Angiogenesis of Mesenchymal Stem Cells. 2019 , 11, 17134-17146	29
510	Non-inferiority of microencapsulated mesenchymal stem cells to free cells in cardiac repair after myocardial infarction: A rationale for using paracrine factor(s) instead of cells. 2019 , 100, 102-113	14
509	Bone-derived Nestin-positive mesenchymal stem cells improve cardiac function via recruiting cardiac endothelial cells after myocardial infarction. 2019 , 10, 127	21
508	On-site fabrication of Bi-layered adhesive mesenchymal stromal cell-dressings for the treatment of heart failure. 2019 , 209, 41-53	17
507	Anti-fibrotic Effects of Cardiac Progenitor Cells in a 3D-Model of Human Cardiac Fibrosis. 2019 , 6, 52	17
506	Conditioned media from dental pulp stem cells improved diabetic polyneuropathy through anti-inflammatory, neuroprotective and angiogenic actions: Cell-free regenerative medicine for diabetic polyneuropathy. 2019 , 10, 1199-1208	18
505	Healing of Myocardial Infarction. 2019 , 151-169	
504	Combination of and Promotes Angiogenesis in Ischemic Myocardium through Notch Signalling and Mobilization of Stem Cells. 2019 , 2019, 7912402	4
503	Exercise and Cardiovascular Progenitor Cells. 2019 , 9, 767-797	7
502	Cortical Bone Derived Stem Cells for Cardiac Wound Healing. 2019 , 49, 314-325	9

501	Beyond pharmacological treatment: an insight into therapies that target specific aspects of heart failure pathophysiology. 2019 , 393, 1045-1055	33
500	Lipopolysaccharides Improve Mesenchymal Stem Cell-Mediated Cardioprotection by MyD88 and stat3 Signaling in a Mouse Model of Cardiac Ischemia/Reperfusion Injury. 2019 , 28, 620-631	10
499	Harnessing the mesenchymal stem cell secretome for regenerative urology. 2019 , 16, 363-375	33
498	Perinatal Stem Cells. 2019 ,	1
497	Challenges and Controversies in Human Mesenchymal Stem Cell Therapy. 2019 , 2019, 9628536	187
496	Functionalization of soft materials for cardiac repair and regeneration. 2019 , 39, 451-468	2
495	Adipose tissue-derived mesenchymal stem cells and keratinocytes co-culture on gelatin/chitosan/E-glycerol phosphate nanoscaffold in skin regeneration. 2019 , 43, 1365	15
494	Intramyocardial bone marrow cell injection does not lead to functional improvement in patients with chronic ischaemic heart failure without considerable ischaemia. 2019 , 27, 81-92	2
493	CD34+ enriched cell products intended for autologous transendocardial CD34+ cell transplantation release significant amounts of angiopoietin-1. 2019 , 26, 273-278	
492	Animal- and human-based evidence for the protective effects of stem cell therapy against cardiovascular disorders. 2019 , 234, 14927	7
491	The Search for Disease-Modifying Therapies in Pulmonary Hypertension. 2019 , 24, 334-354	17
490	PyMINER Finds Gene and Autocrine-Paracrine Networks from Human Islet scRNA-Seq. 2019 , 26, 1951-1964.e8	23
489	Regenerative Medicine. 2019 , 104-122	0
488	Conditioned Medium of Mesenchymal Stromal Cells: A New Class of Therapeutics. 2019 , 84, 1375-1389	25
487	Effects of exercise training and stem cell therapy on the left ventricle of infarcted rats. 2019 , 38, 649-656	
486	A Human Umbilical Cord Mesenchymal Stem Cell-Conditioned Medium/Chitosan/Collagen/-Glycerophosphate Thermosensitive Hydrogel Promotes Burn Injury Healing in Mice. 2019 , 2019, 5768285	18
485	Stem Cells: The Game Changers of Human Cardiac Disease Modelling and Regenerative Medicine. 2019 , 20,	12
484	Recent Advances in Mono- and Combined Stem Cell Therapies of Stroke in Animal Models and Humans. 2019 , 20,	15

483	Adipogenic Mesenchymal Stem Cells and Hyaluronic Acid as a Cellular Compound for Bone Tissue Engineering. 2019 , 30, 777-783	9
482	Effects of exercise training and stem cell therapy on the left ventricle of infarcted rats. 2019 , 38, 649-656	4
481	4. Bone stem cell therapy in the clinical perspective: a focus on nonrandomized and randomized trials. 2019 , 53-101	2
480	Treatment potential of bone marrow-derived stem cells in women with diminished ovarian reserves and premature ovarian failure. 2019 , 31, 156-162	21
479	MRI Tracking of Mesenchymal Stromal Cells Labeled with Ultrasmall Paramagnetic Iron Oxide Particles after Intramyocardial Transplantation in Patients with Chronic Ischemic Heart Disease. 2019 , 2019, 2754927	14
478	Irisin promotes cardiac progenitor cell-induced myocardial repair and functional improvement in infarcted heart. 2019 , 234, 1671-1681	26
477	Circulating osteogenic precursor cells: Building bone from blood. 2019 , 39, 603-611	15
476	Pharmacological Interventions in Acute Kidney Injury. 2019 , 725-738.e13	
475	Matrix-assisted cell transplantation for tissue vascularization. 2019 , 146, 155-169	8
474	Tissue-derived microparticles reduce inflammation and fibrosis in cornea wounds. 2019 , 85, 192-202	10
473	Studies on the effects of microencapsulated human mesenchymal stem cells in RGD-modified alginate on cardiomyocytes under oxidative stress conditions using in vitro biomimetic co-culture system. 2019 , 123, 512-520	17
472	Epigenetically modified cardiac mesenchymal stromal cells limit myocardial fibrosis and promote functional recovery in a model of chronic ischemic cardiomyopathy. 2018 , 114, 3	37
471	Effect of Stem Cell Treatment on Acute Liver Failure Model Using Scaffold. 2019 , 64, 781-791	3
470	Mesenchymal stem cell-derived extracellular vesicles and retinal ischemia-reperfusion. 2019 , 197, 146-160	77
469	Prolonged cell persistence with enhanced multipotency and rapid angiogenesis of hypoxia pre-conditioned stem cells encapsulated in marine-inspired adhesive and immiscible liquid micro-droplets. 2019 , 86, 257-268	13
468	Conditioned media derived from mesenchymal stem cell cultures: The next generation for regenerative medicine. 2019 , 13, 569-586	52
467	Neurotrophic Factor Facilitates Cardiac Repair in a Mouse Model of Chronic Chagas Disease. 2019 , 368, 11-20	2
466	Therapeutic use of mesenchymal stem cell-derived extracellular vesicles in acute lung injury. 2019 , 59, 876-883	37

465	Mesenchymal stem cells facilitate cardiac differentiation in Sox2-expressing cardiac C-kit cells in coculture. 2019 , 120, 9104-9116	2
464	Bone morphogenetic protein-7 incorporated polycaprolactone scaffold has a great potential to improve survival and proliferation rate of the human embryonic kidney cells. 2019 , 120, 9859-9868	11
463	Bone marrow-derived mesenchymal stem cells ameliorate liver injury in a rat model of sepsis by activating Nrf2 signaling. 2019 , 151, 249-262	3
462	Stem Cell Therapies in Cardiovascular Disease. 2019 , 33, 209-222	31
461	Cardioprotective effect of the secretome of Sca-1+ and Sca-1- cells in heart failure: not equal, but equally important?. 2020 , 116, 566-575	6
460	Biomechanical signaling and collagen fiber reorientation during distraction enterogenesis. 2020 , 101, 103425	4
459	Hierarchical microchanneled scaffolds modulate multiple tissue-regenerative processes of immune-responses, angiogenesis, and stem cell homing. 2020 , 227, 119548	53
458	Wnt11 preserves mitochondrial membrane potential and protects cardiomyocytes against hypoxia through paracrine signaling. 2020 , 121, 1144-1155	2
457	Bone Regeneration in a Canine Model of Artificial Jaw Cleft Using Bone Marrow-Derived Mesenchymal Stem Cells and Carbonate Hydroxyapatite Carrier. 2020 , 57, 208-217	5
456	Topically applied adipose-derived mesenchymal stem cell treatment in experimental focal cerebral ischemia. 2020 , 71, 226-233	5
455	Therapeutic potential of mesenchymal stem/stromal cell-derived secretome and vesicles for lung injury and disease. 2020 , 20, 125-140	25
454	Secreted Frizzled-related protein 2 promotes the osteo/odontogenic differentiation and paracrine potentials of stem cells from apical papilla under inflammation and hypoxia conditions. 2020 , 53, e12694	12
453	Turning regenerative technologies into treatment to repair myocardial injuries. 2020 , 24, 2704-2716	20
452	Sustained release of bioactive IGF-1 from a silk fibroin microsphere-based injectable alginate hydrogel for the treatment of myocardial infarction. 2020 , 8, 308-315	31
451	Bone marrow-derived mesenchymal stromal cell treatment in patients with ischaemic heart failure: final 4-year follow-up of the MSC-HF trial. 2020 , 22, 884-892	41
450	Construction of a dermis-fat composite in vivo: Optimizing heterogeneous acellular dermal matrix with in vitro pretreatment. 2020 , 14, 215-228	3
449	Comparative study of the production of soluble factors in human placenta-derived mesenchymal stromal/stem cells grown in adherent conditions or as aggregates in a catheter-like device. 2020 , 522, 171-176	11
448	Three-dimensional culture of oral progenitor cells: Effects on small extracellular vesicles production and proliferative function. 2020 , 49, 342-349	7

447	Current and Future Directions of Stem Cell Therapy for Bladder Dysfunction. 2020 , 16, 82-93	14
446	Stem cell paracrine actions in tissue regeneration and potential therapeutic effect in human endometrium: a retrospective study. 2020 , 127, 551-560	11
445	Extracellular Vesicle miRNAs in the Promotion of Cardiac Neovascularisation. 2020 , 11, 579892	13
444	Robust Cardiac Regeneration: Fulfilling the Promise of Cardiac Cell Therapy. 2020 , 42, 1857-1879	2
443	Therapeutic effects of mesenchymal stem cells on cutaneous leishmaniasis lesions caused by <i>Leishmania major</i> . 2020 , 23, 243-250	3
442	Exosomes isolated from human cardiosphere-derived cells attenuate pressure overload-induced right ventricular dysfunction. 2021 , 162, 975-986.e6	7
441	Sequential paracrine mechanisms are necessary for the therapeutic benefits of stem cell therapy. 2020 , 319, C1141-C1150	12
440	Emerging local delivery strategies to enhance bone regeneration. 2020 , 15, 062001	5
439	A dynamic matrix potentiates mesenchymal stromal cell paracrine function via an effective mechanical dose. 2020 , 8, 4779-4791	5
438	Nanoengineering of stem cells for musculoskeletal regeneration. 2020 , 159-196	0
437	Paracrine effect of human adipose-derived stem cells on lymphatic endothelial cells. 2020 , 15, 2085-2098	1
436	Current Status of Cell-Based Therapy in Patients with Critical Limb Ischemia. 2020 , 21,	4
435	Adipose-derived mesenchymal stem cell spheroid sheet accelerates regeneration of ulcerated oral mucosa by enhancing inherent therapeutic properties. 2020 , 91, 296-310	6
434	Enhancing myocardial repair with CardioClusters. 2020 , 11, 3955	11
433	Engineering better stem cell therapies for treating heart diseases. 2020 , 8, 569	5
432	Temporal changes guided by mesenchymal stem cells on a 3D microgel platform enhance angiogenesis in vivo at a low-cell dose. 2020 , 117, 19033-19044	19
431	Topical cell-free conditioned media harvested from adipose tissue-derived stem cells promote recovery from corneal epithelial defects caused by chemical burns. 2020 , 10, 12448	3
430	Growth factor therapy for cardiac repair: an overview of recent advances and future directions. 2020 , 12, 805-815	7

429	Effect of Human Umbilical Cord Perivascular Cell-Conditioned Media in an Adult Zebrafish Model of Traumatic Brain Injury. 2020 ,	0
428	Cell-loaded injectable gelatin/alginate/LAPONITE® nanocomposite hydrogel promotes bone healing in a critical-size rat calvarial defect model.. 2020 , 10, 25652-25661	18
427	Magnetic targeting enhances the cutaneous wound healing effects of human mesenchymal stem cell-derived iron oxide exosomes. 2020 , 18, 113	28
426	One health in regenerative medicine: report on the second Havemeyer symposium on regenerative medicine in horses. 2020 , 15, 1775-1787	1
425	Plasmatic Membrane Expression of Adhesion Molecules in Human Cardiac Progenitor/Stem Cells Might Explain Their Superior Cell Engraftment after Cell Transplantation. 2020 , 2020, 8872009	1
424	Switching of vascular cells towards atherogenesis, and other factors contributing to atherosclerosis: a systematic review. 2020 , 18, 28	6
423	Hydrojet-based delivery of footprint-free iPSC-derived cardiomyocytes into porcine myocardium. 2020 , 10, 16787	4
422	Reduced graphene oxide facilitates biocompatibility of alginate for cardiac repair. 2020 , 35, 363-377	10
421	Extracellular Vesicles Derived from Human Umbilical Cord Mesenchymal Stromal Cells Protect Cardiac Cells Against Hypoxia/Reoxygenation Injury by Inhibiting Endoplasmic Reticulum Stress via Activation of the PI3K/Akt Pathway. 2020 , 29, 963689720945677	3
420	Adipose tissue stromal vascular fraction and adipose tissue stromal vascular fraction plus platelet-rich plasma grafting: New regenerative perspectives in genital lichen sclerosis. 2020 , 33, e14277	3
419	Effect of Nanostructured Scaffold on Human Adipose-Derived Stem Cells: Outcome of Experiments. 2020 , 10,	0
418	Administration of cardiac mesenchymal cells modulates innate immunity in the acute phase of myocardial infarction in mice. 2020 , 10, 14754	3
417	Comparative Proteomic Analysis Identifies EphA2 as a Specific Cell Surface Marker for Wharton's Jelly-Derived Mesenchymal Stem Cells. 2020 , 21,	6
416	Effect of the 3D Artificial Nichoid on the Morphology and Mechanobiological Response of Mesenchymal Stem Cells Cultured In Vitro. 2020 , 9,	11
415	Treatment of canine osteoarthritis with allogeneic platelet-rich plasma: review of five cases. 2020 , 10, 226-231	5
414	Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. 2020 , 667-688	
413	Bone marrow mesenchymal stem cell-conditioned medium facilitates fluid resolution via miR-214-activating epithelial sodium channels. 2020 , 1, 376-385	1
412	Fertility Preservation: The Challenge of Freezing and Transplanting Ovarian Tissue. 2021 , 27, 777-791	11

411	Combination of Cardiac Progenitor Cells From the Right Atrium and Left Ventricle Exhibits Synergistic Paracrine Effects In Vitro. 2020 , 29, 963689720972328	1
410	Effects of Exercise Training on the Paracrine Function of Circulating Angiogenic Cells. 2021 , 42, 1047-1057	1
409	Novel Applications of Mesenchymal Stem Cell-derived Exosomes for Myocardial Infarction Therapeutics. 2020 , 10,	34
408	Analyzing Impetus of Regenerative Cellular Therapeutics in Myocardial Infarction. 2020 , 9,	4
407	Exosomes derived from umbilical cord mesenchymal stem cells alleviate viral myocarditis through activating AMPK/mTOR-mediated autophagy flux pathway. 2020 , 24, 7515-7530	23
406	Particle-based artificial three-dimensional stem cell spheroids for revascularization of ischemic diseases. 2020 , 6, eaaz8011	16
405	Exogenous Signaling Molecules Released from Aptamer-Functionalized Hydrogels Promote the Survival of Mesenchymal Stem Cell Spheroids. 2020 , 12, 24599-24610	8
404	Topical Application of Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells in Combination with Sponge Spicules for Treatment of Photoaging. 2020 , 15, 2859-2872	17
403	Basic fibroblast growth factor enhances proliferation and hepatocyte growth factor expression of feline mesenchymal stem cells. 2020 , 15, 10-17	9
402	The Effect of Intracoronary Infusion of Autologous Bone Marrow-Derived Lineage-Negative Stem/Progenitor Cells on Remodeling of Post-Infarcted Heart in Patient with Acute Myocardial Infarction. 2020 , 17, 985-994	1
401	Update of Non-Pharmacological Therapy for Heart Failure. 2020 ,	
400	Alginate Formulations: Current Developments in the Race for Hydrogel-Based Cardiac Regeneration. 2020 , 8, 414	27
399	Stem cell applications in regenerative medicine for stress urinary incontinence: A review of effectiveness based on clinical trials. 2020 , 18, 194-205	2
398	Cox2-mediated PGE2 production via p38/JNK-c-fos signaling inhibits cell apoptosis in 3D floating culture clumps of mesenchymal stem cell/extracellular matrix complexes. 2020 , 530, 448-454	8
397	Comparative Analysis of the Paracrine Action of Neuronal and Glial Progenitor Cells Derived from Induced Human Pluripotent Stem Cells. 2020 , 169, 176-181	
396	Transplantation of human dental pulp stem cells ameliorates diabetic polyneuropathy in streptozotocin-induced diabetic nude mice: the role of angiogenic and neurotrophic factors. 2020 , 11, 236	6
395	Stem cells and heart tissue regeneration. 2020 , 47-70	0
394	Exosomes as natural nanocarriers for therapeutic and diagnostic use in cardiovascular diseases. 2020 , 71-88	

393	Evaluating the Endocytosis and Lineage-Specification Properties of Mesenchymal Stem Cell Derived Extracellular Vesicles for Targeted Therapeutic Applications. 2020 , 11, 163	12
392	Stem cell-loaded adhesive immiscible liquid for regeneration of myocardial infarction. 2020 , 321, 602-615	14
391	The Role of Bone Marrow Mesenchymal Stem Cell Derived Extracellular Vesicles (MSC-EVs) in Normal and Abnormal Hematopoiesis and Their Therapeutic Potential. 2020 , 9,	26
390	The mesenchymal stromal cell secretome impairs methicillin-resistant Staphylococcus aureus biofilms via cysteine protease activity in the equine model. 2020 , 9, 746-757	19
389	Stem cell therapy: old challenges and new solutions. 2020 , 47, 3117-3131	8
388	Cortical Bone Derived Stem Cells Modulate Cardiac Fibroblast Response via miR-18a in the Heart After Injury. 2020 , 8, 494	7
387	Transcriptomic Analysis of Human Mesenchymal Stem Cell Therapy in Incontinent Rat Injured Urethra. 2020 , 26, 792-810	1
386	Stem cell derived extracellular vesicles for vascular elastic matrix regenerative repair. 2020 , 113, 267-278	8
385	Growth differentiation factor 11 promotes differentiation of MSCs into endothelial-like cells for angiogenesis. 2020 , 24, 8703-8717	10
384	Concepts and Applications of Stem Cell Biology. 2020 ,	
383	Cardiac Regeneration and Repair: From Mechanisms to Therapeutic Strategies. 2020 , 187-211	3
382	Mesenchymal stromal cells and their secreted extracellular vesicles as therapeutic tools for COVID-19 pneumonia?. 2020 , 325, 135-140	19
381	Modulation of the in vitro angiogenic potential of human mesenchymal stromal cells from different tissue sources. 2020 , 235, 7224-7238	11
380	Advances in regenerative therapy: A review of the literature and future directions. 2020 , 14, 136-153	45
379	The Effect of Cardiogenic Factors on Cardiac Mesenchymal Cell Anti-Fibrogenic Paracrine Signaling and Therapeutic Performance. 2020 , 10, 1514-1530	4
378	Mesenchymal stem cell-conditioned media: A novel alternative of stem cell therapy for quality wound healing. 2020 , 235, 5555-5569	29
377	Heart Plasticity in Response to Pressure- and Volume-Overload: A Review of Findings in Compensated and Decompensated Phenotypes. 2020 , 11, 92	19
376	Anti-CD3 Antibody Treatment Reduces Scar Formation in a Rat Model of Myocardial Infarction. 2020 , 9,	5

375	Cardioprotective effects of genetically engineered cardiac stem cells by spheroid formation on ischemic cardiomyocytes. 2020 , 26, 15	6
374	Enhancement of periodontal tissue regeneration by conditioned media from gingiva-derived or periodontal ligament-derived mesenchymal stem cells: a comparative study in rats. 2020 , 11, 42	28
373	A Role for Exosomes in Craniofacial Tissue Engineering and Regeneration. 2019 , 10, 1569	28
372	Urine-Derived Induced Pluripotent Stem Cells in Cardiovascular Disease. 2020 , 2020, 3563519	0
371	Cardiac progenitor cells, tissue homeostasis, and regeneration. 2020 , 579-591	
370	Tissue engineering: bladder and urethra. 2020 , 845-862	1
369	Cardiac cell therapy: Current status, challenges and perspectives. 2020 , 113, 285-292	13
368	Myocardium-targeted transplantation of PHD2 shRNA-modified bone mesenchymal stem cells through ultrasound-targeted microbubble destruction protects the heart from acute myocardial infarction. 2020 , 10, 4967-4982	10
367	Healing the Broken Heart; The Immunomodulatory Effects of Stem Cell Therapy. 2020 , 11, 639	18
366	Exosomes: Cell-Free Therapy for Cardiovascular Diseases. 2020 , 13, 713-721	6
365	Functionally engineered extracellular vesicles improve bone regeneration. 2020 , 109, 182-194	46
364	Key Success Factors for Regenerative Medicine in Acquired Heart Diseases. 2020 , 16, 441-458	12
363	Targeting Angiotensin-Converting Enzyme-2/Angiotensin-(1-7)/Mas Receptor Axis in the Vascular Progenitor Cells for Cardiovascular Diseases. 2021 , 99, 29-38	14
362	Extracellular vesicles from human cardiovascular progenitors trigger a reparative immune response in infarcted hearts. 2021 , 117, 292-307	27
361	Osteoporosis and Osteoarthritis. 2021 ,	
360	Human mesenchymal stromal cells do not express ACE2 and TMPRSS2 and are not permissive to SARS-CoV-2 infection. 2021 , 10, 636-642	17
359	Effect of cellular and ECM aging on human iPSC-derived cardiomyocyte performance, maturity and senescence. 2021 , 268, 120554	19
358	Microparticles from glycidylmethacrylated gelatin as cell carriers prepared in an aqueous two-phase system. 2021 , 142, 110148	2

357	Bone From Blood: Characteristics and Clinical Implications of Circulating Osteogenic Progenitor (COP) Cells. 2021 , 36, 12-23	5
356	Regionally Specific Human Pre-Oligodendrocyte Progenitor Cells Produce Both Oligodendrocytes and Neurons after Transplantation in a Chronically Injured Spinal Cord Rat Model after Glial Scar Ablation. 2021 , 38, 777-788	4
355	Distinct Shades of Adipocytes Control the Metabolic Roles of Adipose Tissues: From Their Origins to Their Relevance for Medical Applications. 2021 , 9,	4
354	The secretome of endothelial progenitor cells: a potential therapeutic strategy for ischemic stroke. 2021 , 16, 1483-1489	7
353	Myocyte-specific enhancer factor 2c triggers transdifferentiation of adipose tissue-derived stromal cells into spontaneously beating cardiomyocyte-like cells. 2021 , 11, 1520	2
352	Angiogenesis in aging heartsCardiac stem cell therapy. 2021 , 169-176	
351	Intracellular matrix metalloproteinase-9 mediates epigenetic modifications and autophagy to regulate differentiation in human cardiac stem cells. 2021 , 39, 497-506	3
350	Stem Cell Therapy in Single-Ventricle Physiology: Recent Progress and Future Directions. 2021 , 24, 67-76	0
349	Repairing organs with MSC. 2021 , 115-134	
348	Highly efficient magnetic labelling allows MRI tracking of the homing of stem cell-derived extracellular vesicles following systemic delivery. 2021 , 10, e12054	15
347	Bone marrow mesenchymal stem cells transfer in patients with ST-segment elevation myocardial infarction: single-blind, multicenter, randomized controlled trial. 2021 , 12, 33	2
346	Follicular Activation and Stem Cell Therapy as a Novel Treatment Strategies in Diminished Ovarian Reserve and Primary Ovarian Insufficiency. 2020 , 11, 617704	4
345	NaHS-Hydrogel and Encapsulated Adipose-Derived Stem Cell Evaluation on an Ex Vivo Second-Degree Burn Model. 2021 , 2, 9-30	0
344	Autologous Bone-Marrow vs. Peripheral Blood Mononuclear Cells Therapy for Peripheral Artery Disease in Diabetic Patients. 2021 , 14, 21-32	1
343	Engineering Human Cardiac Muscle Patch Constructs for Prevention of Post-infarction LV Remodeling. 2021 , 8, 621781	6
342	Stem Cell Paracrine Signaling for Treatment of Premature Ovarian Insufficiency. 2020 , 11, 626322	0
341	Hypoxic Preconditioning of Human Umbilical Cord Mesenchymal Stem Cells Is an Effective Strategy for Treating Acute Lung Injury. 2021 , 30, 128-134	4
340	Adipose-derived regenerative cells and lipotransfer in alleviating breast cancer-related lymphedema: An open-label phase I trial with 4 years of follow-up. 2021 , 10, 844-854	8

339	Engineering the MSC Secretome: A Hydrogel Focused Approach. 2021 , 10, e2001948	21
338	Alternative Immune-Mediated-Based Methods in the Aplastic Anemia Treatment.	
337	A double-edged sword of immuno-microenvironment in cardiac homeostasis and injury repair. 2021 , 6, 79	16
336	A composite scaffold of Wharton's jelly and chondroitin sulphate loaded with human umbilical cord mesenchymal stem cells repairs articular cartilage defects in rat knee. 2021 , 32, 36	5
335	Cardiac Regeneration: the Heart of the Issue. 2021 , 8, 67-75	2
334	Stem Cells in Cardiovascular Diseases: 30,000-Foot View. 2021 , 10,	2
333	In-Depth Characterization of Stromal Cells within the Tumor Microenvironment Yields Novel Therapeutic Targets. 2021 , 13,	4
332	Conductive biomaterials for cardiac repair: A review. 2021 , 139, 157-157	16
331	Extracellular vesicles derived from umbilical cord mesenchymal stromal cells alleviate pulmonary fibrosis by means of transforming growth factor- β signaling inhibition. 2021 , 12, 230	1
330	Immunomodulatory Effects of Cell Therapy after Myocardial Infarction. 2021 , 3, 85-90	
329	All Roads Lead to Rome (the Heart): Cell Retention and Outcomes From Various Delivery Routes of Cell Therapy Products to the Heart. 2021 , 10, e020402	12
328	Esm1 and Stc1 as Angiogenic Factors Responsible for Protective Actions of Adipose-Derived Stem Cell Sheets on Chronic Heart Failure After Rat Myocardial Infarction. 2021 , 85, 657-666	2
327	Comprehensive Profiling of Secretome Formulations from Fetal- and Perinatal Human Amniotic Fluid Stem Cells. 2021 , 22,	5
326	Multiplexed targeting of miRNA-210 in stem cell-derived extracellular vesicles promotes selective regeneration in ischemic hearts. 2021 , 53, 695-708	4
325	The Current Dilemma and Breakthrough of Stem Cell Therapy in Ischemic Heart Disease. 2021 , 9, 636136	3
324	The Role of Marrow Microenvironment in the Growth and Development of Malignant Plasma Cells in Multiple Myeloma. 2021 , 22,	11
323	Paclitaxel Priming of TRAIL Expressing Mesenchymal Stromal Cells (MSCs-TRAIL) Increases Antitumor Efficacy of Their Secretome. 2020 ,	5
322	Extended survival versus accelerated rejection of nonhuman primate islet allografts: Effect of mesenchymal stem cell source and timing. 2021 , 21, 3524-3537	1

321	Human umbilical cord blood-mesenchymal stem cell-derived secretome in combination with atorvastatin enhances endothelial progenitor cells proliferation and migration. 2020 , 9, 537	0
320	Gene therapy for ischaemic heart disease and heart failure. 2021 , 290, 567-582	6
319	Periosteal Tissue Engineering: Current Developments and Perspectives. 2021 , 10, e2100215	6
318	Adhesive protein-based angiogenesis-mimicking spatiotemporal sequential release of angiogenic factors for functional regenerative medicine. 2021 , 272, 120774	7
317	Fibroblast CEBPD/SDF4 axis in response to chemotherapy-induced angiogenesis through CXCR4. 2021 , 7, 94	3
316	3D Encapsulation and tethering of functionally engineered extracellular vesicles to hydrogels. 2021 , 126, 199-210	15
315	Human mesenchymal stem cells for the management of systemic sclerosis. Systematic review. 2021 , 20, 102831	4
314	Clinical potential of angiogenic therapy and cellular reprogramming. 2021 , 6, 108-115	0
313	The Application Potential and Advance of Mesenchymal Stem Cell-Derived Exosomes in Myocardial Infarction. 2021 , 2021, 5579904	10
312	Mesenchymal Stem Cells Pretreatment With Stromal-Derived Factor-1 Alpha Augments Cardiac Function and Angiogenesis in Infarcted Myocardium. 2021 , 361, 765-775	5
311	Potential roles of experimental reproductive technologies in infertile women with diminished ovarian reserve. 2021 , 38, 2507-2517	0
310	Conditioned secretome of adipose-derived stem cells improves dextran sulfate sodium-induced colitis in mice. 2021 , 27, 3342-3356	1
309	Stem cell-secreted factor therapy regenerates the ovarian niche and rescues follicles. 2021 , 225, 65.e1-65.e14	1
308	Extracellular Vesicles as an Emerging Treatment Option for Intervertebral Disc Degeneration: Therapeutic Potential, Translational Pathways, and Regulatory Considerations. 2021 , e2100596	5
307	The potential role of mesenchymal stem cells in modulating antiageing process. 2021 , 45, 1999-2016	2
306	Strategies for managing Asherman's syndrome and endometrial atrophy: Since the classical experimental models to the new bioengineering approach. 2021 , 88, 527-543	1
305	The Potential Role of Extracellular Vesicles in COVID-19 Treatment: Opportunity and Challenge. 2021 , 8, 699929	8
304	The Human Fetal and Adult Stem Cell Secretome Can Exert Cardioprotective Paracrine Effects against Cardiotoxicity and Oxidative Stress from Cancer Treatment. 2021 , 13,	3

303	Overcome the barriers of the skin: exosome therapy. 2021 , 25, 22	4
302	Mesenchymal stem cell-based bioengineered constructs enhance vaginal repair in ovariectomized rhesus monkeys. 2021 , 275, 120863	1
301	Strategies for constructing pluripotent stem cell- and progenitor cell-derived three-dimensional cardiac micro-tissues. 2021 ,	0
300	UTP is a regulator of in vitro and in vivo angiogenic properties of cardiac adipose-derived stem cells. 2021 , 1	0
299	Changes in Bone Marrow Stromal Progenitor Cells in Patients with Hematoblastosis at the Onset of the Disease. 2021 , 171, 553-558	
298	Construction and evaluation of a novel tissue-engineered bone device. 2021 , 22, 1166	
297	Scaffold strategies combined with mesenchymal stem cells in vaginal construction: a review. 2021 , 10, 26	1
296	Role of Stromal Cell-Derived Factor-1 in Endothelial Progenitor Cell-Mediated Vascular Repair and Regeneration. 2021 , 18, 747-758	7
295	Transplantation of 3D bio-printed cardiac mesh improves cardiac function and vessel formation via ANGPT1/Tie2 pathway in rats with acute myocardial infarction. 2021 , 13,	5
294	Mesenchymal stromal cell-secreted CCL2 promotes antibacterial defense mechanisms through increased antimicrobial peptide expression in keratinocytes. 2021 , 10, 1666-1679	6
293	Stem cells and repair of necrosis after dermolipectomy: a case study. 2021 , 30, Xi-Xv	
292	Epicardial Transplantation of Autologous Cardiac Micrografts During Coronary Artery Bypass Surgery. 2021 , 8, 726889	0
291	Hypoxia conditioned mesenchymal stem cells in tissue regeneration application. 2021 ,	8
290	Adipose-Derived Stem Cells in the Treatment of Perianal Fistulas in Crohn's Disease: Rationale, Clinical Results and Perspectives. 2021 , 22,	2
289	Pathways and factors regulated by bone marrow-derived stem cells in human ovarian tissue. 2021 , 116, 896-908	1
288	Therapeutic approach of adipose-derived mesenchymal stem cells in refractory peptic ulcer. 2021 , 12, 515	1
287	Platelet extracellular vesicles enhance the proangiogenic potential of adipose-derived stem cells in vivo and in vitro. 2021 , 12, 497	0
286	Pluripotent stem cell-derived mesenchymal stromal cells improve cardiac function and vascularity after myocardial infarction. 2021 , 23, 1074-1084	3

- 285 Chinese herb-crosslinked hydrogel bearing rBMSCs-laden polyzwitterion microgels: Self-adaptive manipulation of micromilieu and stemness maintenance for restoring infarcted myocardium. **2021**, 41, 101306 3
- 284 Intrapericardial hydrogel injection generates high cell retention and augments therapeutic effects of mesenchymal stem cells in myocardial infarction. **2022**, 427, 131581 3
- 283 Alternative Head-Preserving Procedure for Osteonecrosis of the Femoral Head: Tissue Engineering, Future Perspective. **2021**, 155-166
- 282 HydroGEV: Extracellular Vesicle-Laden Hydrogel for Wound Healing Applications. **2021**, 81-89
- 281 Decellularized Extracellular Matrix Materials for Cardiac Repair and Regeneration. **2019**, 8, e1801217 64
- 280 Engineering Cartilage Tissue by Co-culturing of Chondrocytes and Mesenchymal Stromal Cells. **2021**, 2221, 53-70 2
- 279 Stem Cell Transplantation to the Heart. **2011**, 279-297 1
- 278 Adult Stem Cell Plasticity Revisited. **2011**, 113-131 1
- 277 Mesenchymal Stromal Cells: Latest Advances. **2011**, 53-74 1
- 276 Route of delivery, cell retention, and efficiency of polymeric microcapsules in cellular cardiomyoplasty. **2013**, 1036, 121-35 2
- 275 Mesenchymal Stromal Cell Secretome for Tissue Repair. **2020**, 641-666 1
- 274 Clinical Development of MultiStem[®] for Treatment of Injuries and Diseases of the Central Nervous System. **2015**, 47-63 2
- 273 Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. **2018**, 1-22 1
- 272 Prenatal Mesenchymal Stem Cell Secretome and Its Clinical Implication. **2019**, 167-173 1
- 271 Unlocking mammalian regeneration through hypoxia inducible factor one alpha signaling. **2021**, 269, 120646 4
- 270 Stem cell therapy and regenerative medicine. **2009**, 84, 859-61 11
- 269 Chapter 3: Recombinant Protein Hydrogels for Cell Injection and Transplantation. **2014**, 48-72 2
- 268 The Use of Umbilical Cord-derived Mesenchymal Stem Cells Seeded Fibrin Matrix in the Treatment of Stage IV Acute Graft-Versus-Host Disease Skin Lesions in Pediatric Hematopoietic Stem Cell Transplant Patients. **2021**, 43, e312-e319 2

267	Endothelial JAK2V617F mutation leads to thrombosis, vasculopathy, and cardiomyopathy in a murine model of myeloproliferative neoplasm.	1
266	Effect of Cellular and ECM Aging on Human iPSC-derived Cardiomyocyte Performance, Maturity and Senescence.	1
265	Unmodified, autologous adipose-derived regenerative cells improve cardiac function, structure and revascularization in a porcine model of chronic myocardial infarction.	3
264	An acute immune response underlies the benefit of cardiac adult stem cell therapy.	6
263	Cardiac mesenchymal cells from failing and nonfailing hearts limit ventricular dilation when administered late after infarction. 2020 , 319, H109-H122	2
262	Autologous bone marrow mononuclear cell transplantation in Duchenne muscular dystrophy - a case report. 2014 , 15, 128-34	16
261	Experimental Treatment of Radiation Skin Lesions with 'Mesenchymal Stem Cells and Their 'Conditioned 'Media. 2020 , 65, 5-12	2
260	Endothelial progenitor cells induce a phenotype shift in differentiated endothelial cells towards PDGF/PDGFR α -mediated angiogenesis. 2010 , 5, e14107	38
259	Longitudinal tracking of human fetal cells labeled with super paramagnetic iron oxide nanoparticles in the brain of mice with motor neuron disease. 2012 , 7, e32326	25
258	Increased angiogenesis and improved left ventricular function after transplantation of myoblasts lacking the MyoD gene into infarcted myocardium. 2012 , 7, e41736	9
257	Mesenchymal stem cells attenuate peritoneal injury through secretion of TSG-6. 2012 , 7, e43768	78
256	Myocardial connective tissue growth factor (CCN2/CTGF) attenuates left ventricular remodeling after myocardial infarction. 2012 , 7, e52120	43
255	Extracts of adipose derived stem cells slows progression in the R6/2 model of Huntington's disease. 2013 , 8, e59438	34
254	Stimulating myocardial regeneration with periostin Peptide in large mammals improves function post-myocardial infarction but increases myocardial fibrosis. 2013 , 8, e59656	45
253	Paracrine effects of bone marrow soup restore organ function, regeneration, and repair in salivary glands damaged by irradiation. 2013 , 8, e61632	51
252	Single cell gene profiling revealed heterogeneity of paracrine effects of bone marrow cells in mouse infarcted hearts. 2013 , 8, e68270	3
251	The role of indoleamine 2,3 dioxygenase in beneficial effects of stem cells in hind limb ischemia reperfusion injury. 2014 , 9, e95720	7
250	Paracrine action of mesenchymal stem cells revealed by single cell gene profiling in infarcted murine hearts. 2015 , 10, e0129164	57

249	Conditioned Medium from Early-Outgrowth Bone Marrow Cells Is Retinal Protective in Experimental Model of Diabetes. 2016 , 11, e0147978	9
248	Leukemia Inhibitory Factor Enhances Endogenous Cardiomyocyte Regeneration after Myocardial Infarction. 2016 , 11, e0156562	12
247	Bone marrow cell extract promotes the regeneration of irradiated bone. 2017 , 12, e0178060	4
246	Intravenous administration of puppy deciduous teeth stem cells in degenerative valve disease. 2016 , 9, 1429-1434	6
245	The Effect of Intracoronary Stem Cell Injection on Markers of Leukocyte Activation in Acute Myocardial Infarction. 2015 , 6, 209-215	2
244	Foetal bovine serum-derived exosomes affect yield and phenotype of human cardiac progenitor cell culture. 2016 , 6, 15-24	15
243	Histological Evaluation of Experimentally Induced Critical Size Defect Skin Wounds Using Exosomal Solution of Mesenchymal Stem Cells Derived Microvesicles. 2017 , 10, 144-153	26
242	An in-vitro study of Amniotic membrane, Villous chorion and Wharton's jelly-derived Mesenchymal stem cells and their potential for cardiac repair. 2018 , 4,	1
241	Generation of induced cardiac progenitor cells via somatic reprogramming. 2017 , 8, 29442-29457	9
240	The optimization of cell therapy by combinational application with apicidin-treated mesenchymal stem cells after myocardial infarction. 2017 , 8, 44281-44294	10
239	Mesenchymal Stem Cell Paracrine Factors in Vascular Repair and Regeneration. 2014 , 1,	40
238	Mesenchymal stromal cell therapy as treatment for ischemic heart failure: the MSC-HF study. 2017 , 7, S69-S72	2
237	Stem cell therapy in heart diseases: a review of selected new perspectives, practical considerations and clinical applications. 2011 , 7, 201-12	35
236	New Strategies to Enhance Myocardial Regeneration: Expectations and Challenges from Preclinical Evidence. 2020 , 15, 696-710	3
235	Intra-Arterial MSC Transplantation Restores Functional Capacity After Skeletal Muscle Trauma. 2012 , 6, 352-6	18
234	The effect of adipose-derived mesenchymal stem cells on renal function and histopathology in a rat model of ischemia-reperfusion induced acute kidney injury. 2020 , 23, 999-1006	3
233	Application of adult mesenchymal stem cells in bone and vascular tissue engineering. 2018 , 67, 831-850	18
232	The PI3k/Akt pathway is associated with angiogenesis, oxidative stress and survival of mesenchymal stem cells in pathophysiologic condition in ischemia. 2019 , 68, S131-S138	35

231	Mesenchymal Stem Cell-conditioned Medium Promote the Recovery of Skin Burn Wound. 2017 , 12, 132-141	11
230	Stem cells for cardiac repair: an introduction. 2013 , 10, 186-97	22
229	Cardiac regeneration: current therapies-future concepts. 2013 , 5, 683-97	73
228	Suitability of autologous serum for expanding rabbit adipose-derived stem cell populations. 2012 , 13, 413-7	6
227	Stem Cell Therapy of Ischemic Heart Disease. 2016 , 09, 191-215	1
226	Hematopoietic stem cells are a critical sub-population of whole bone marrow in the treatment of myocardial infarction. 2013 , 03, 117-126	2
225	Unmodified autologous stem cells at point of care for chronic myocardial infarction. 2019 , 11, 831-858	10
224	Ameliorating liver fibrosis in an animal model using the secretome released from miR-122-transfected adipose-derived stem cells. 2019 , 11, 990-1004	6
223	Mesenchymal stem cell-derived exosomes: Toward cell-free therapeutic strategies in regenerative medicine. 2020 , 12, 814-840	18
222	Mesenchymal stem cells: From bench to bedside. 2010 , 2, 13-7	33
221	Host tissue response in stem cell therapy. 2010 , 2, 61-6	18
220	Potential advantages of acute kidney injury management by mesenchymal stem cells. 2014 , 6, 644-50	40
219	Early gestation chorionic villi-derived stromal cells for fetal tissue engineering. 2015 , 7, 195-207	32
218	Contemporary perspective on endogenous myocardial regeneration. 2015 , 7, 793-805	13
217	Optimizing stem cells for cardiac repair: Current status and new frontiers in regenerative cardiology. 2017 , 9, 9-25	31
216	Re-Defining Stem Cell-Cardiomyocyte Interactions: Focusing on the Paracrine Effector Approach. 2018 , 14, 10-26	7
215	The Use of Foxa2-Overexpressing Adipose Tissue-Derived Stem Cells in a Scaffold System Attenuates Acute Liver Injury. 2019 , 13, 450-460	7
214	Clinical-based Cell Therapies for Heart Disease-Current and Future State. 2020 , 11,	10

213	The Therapeutic Effect of Human Embryonic Stem Cell-Derived Multipotent Mesenchymal Stem Cells on Chemical-Induced Cystitis in Rats. 2018 , 22, S34-45	19
212	Dental pulp stem cells: Novel cell-based and cell-free therapy for peripheral nerve repair. 2019 , 7, 1-19	10
211	Therapeutic potential of intravenously administered human mesenchymal stromal cells. 2011 , 31, 269-74	5
210	Serum C-peptide level correlates with the course of muscle tissue healing in the rabbit model of critical limb ischemia. 2019 , 163, 132-140	3
209	Efficacy and Safety of Stem Cell Therapy in Advanced Heart Failure Patients: A Systematic Review with a Meta-analysis of Recent Trials Between 2017 and 2019. 2019 , 11, e5585	6
208	Blood derived extracellular vesicles as regenerative medicine therapeutics. 2021 ,	0
207	Epicardial transplantation of autologous atrial appendage micrografts—evaluation of safety and feasibility in pigs after coronary artery occlusion.	
206	Myofilament Phosphorylation in Stem Cell Treated Diastolic Heart Failure. <i>Circulation Research</i> , 2021 , 129, 1125-1140	15.7 2
205	Endothelial Progenitor Cells for Vascular Repair. 2011 , 297-320	
204	In Vivo Imaging of Regenerated Tissue: State of Art and Future Perspectives. 2011 , 95-103	
203	Tachyarrhythmia Therapies: Approaches to Atrial Fibrillation and Postinfarction Ventricular Arrhythmias. 2011 , 349-378	
202	Induced Pluripotent Cells for Myocardial Infarction Repair. 2011 , 263-280	
201	Bone Marrow Cell Therapy After Myocardial Infarction: What have we Learned from the Clinical Trials and Where Are We Going?. 2011 , 111-129	
200	Undertaking Regenerative Medicine Studies with Blood Stem Cells. 2012 , 1-7	
199	Cardiac Versus Non-Cardiac Stem Cells to Repair the Heart: The Role of Autocrine/Paracrine Signals. 2012 , 367-382	
198	Calcium Handling in hiPSC-Derived Cardiomyocytes. 2012 , 1-47	
197	[Cell therapy for ischemic heart disease]. 2012 , 82, 218-29	
196	New Prospects for Neural Stem Cell Therapies of Nervous System Diseases Toward the Establishment of Atypical Ectopic Perivascular Stem Cell Niches. 2013 , 23-39	

- 195 Generation of Autologous Multipotent Endothelial-Like Cells from Lipoaspirates of Human Adipose-Derived Stem Cells and Polymer Microarrays Technology: Potential Cardiovascular Regeneration. **2014**, 151-164
- 194 Cardiac Cell Therapy for Ischemic Heart Disease. **2013**, 229-257
- 193 Cell Therapy of Acute Myocardial Infarction and Ischemic Cardiomyopathy: From Experimental Findings to Clinical Trials. **2014**, 113-141
- 192 Stem Cell Therapy to Treat Heart Failure. **2014**,
- 191 Cell Therapies in Cardiology. **2014**, 79-93
- 190 Amniotic Fluid Stem Cells for Cardiac Regeneration. **2014**, 3-15
- 189 Skin Regeneration and Circulating Stem Cells. **2014**, 163-177
- 188 The Contribution of Mesenchymal Stromal Cells in Traumatic Brain Injury. **2015**, 221-259 1
- 187 [Review of approaches to cell therapy in ophthalmology]. **2015**, 131, 74-81
- 186 Stem Cell Secretome and Paracrine Activity. **2016**, 123-141 1
- 185 Cell Therapy for Cardiac Regeneration. **2016**, 265-283
- 184 Gene and Cell Therapy in Heart Failure. **2016**, 335-354
- 183 Mesenchymal Stem Cells for Treatment of Peripheral Vascular Disease. **2016**, 43-70
- 182 The Study of BD-MSD Therapy against Critical Limb Ischemia. **2016**, 29, 61
- 181 Autologous Concentrate Bone Marrow Cell Therapy for Ischemic Cardiomyopathy Unsuitable for Revascularization: Feasibility Study. **2016**, 5,
- 180 Sourcing and Manipulating Stem Cells for Elastin Regeneration Applications. **2016**, 227-253
- 179 Stem Cell Therapy and Tissue Engineering in Urogenital Diseases. **2017**, 197-223
- 178 Noncoding RNAs in Ischemic Cardiovascular Disease and Repair Mechanisms. **2017**, 61-82 1

177 Clinical Orthobiologic Approach to Failure or Delay in Bone Healing. **2017**, 449-459

176 Use of Stem Cells in Acute and Complex Wounds. **2017**, 195-226

1

175 'Cells as tools' to 'Cell-s produced tools' - An evolving paradigm in Regenerative Medicine. **2017**, 13, 1-2

174 Overexpression of hypoxia-inducible factor 1 alpha improves immunomodulation by dental mesenchymal stem cells.

173 Characterization and analysis of long non-coding rna (lncRNA) in In Vitro- and Ex Vivo-derived cardiac progenitor cells. **2017**, 12, e0180096

2

172 Erythropoietin-mediated activation of functional properties of peripheral blood mononuclear cells in patients with chronic heart failure. **2017**, XII,

171 Peripheral Blood Mononuclear Cell Secretome for Tissue Repair. **2018**, 1-22

170 Effects of Bone Marrow Stromal Cell Transplantation on Repair of Bone Defect in Rats. **2018**, 23,

169 Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-inflammatory Effects. **2019**, 89-123

1

168 Mesenchymal Stromal Cell Secretome for Tissue Repair. **2019**, 1-26

167 Stem Cell Therapy to Treat Heart Failure. **2019**, 286-303

166 Cellular Plasticity and Dedifferentiation: A Link Between Cancer Stem Cells, Hypoxia, Cell Injury, and Inflammation. **2019**, 2,

165 Influence of Aging on the Quantity and Quality of Human Cardiac Stem Cells. **2019**, 68, 13-22

164 Enhancing Myocardial Repair with CardioClusters.

163 MRI tracking reveals selective accumulation of stem cell-derived magneto-extracellular vesicles in sites of injury.

162 Cell technologies in the regenerative medicine of the heart: main problems and ways of development. **2019**, 47, 623-629

161 Temporal Changes Guided by Mesenchymal Stem Cells on a 3D Microgel Platform Enhances Angiogenesis In Vivo at a Low-Cell Dose.

160 Human umbilical cord blood-mesenchymal stem cell-derived secretome in combination with atorvastatin enhances endothelial progenitor cells proliferation and migration. **2020**, 9, 537

0

159	Phenotypic and Functional Responses of Human Decidua Basalis Mesenchymal Stem/Stromal Cells to Lipopolysaccharide of Gram-Negative Bacteria. 2021 , 14, 51-69	1
158	Amniotic stromal stem cell-loaded hydrogel repairs cardiac tissue in infarcted rat hearts via paracrine mediators. 2021 ,	0
157	Regenerative Medicine for Heart Failure: A Comprehensive Overview of Clinical Studies, Current Challenges, and Future Directions. 2020 , 109-121	
156	Combined Use of Autologous Bone Marrow-derived Stem Cells and Platelet-rich Plasma for Ovarian Rejuvenation in Poor Responders. 2020 , 13, 184-190	2
155	Generation of induced secretome from adipose-derived stem cells specialized for disease-specific treatment: An experimental mouse model. 2020 , 12, 70-86	0
154	Osteogenic and Chondrogenic Potential of Periosteum-Derived Mesenchymal Stromal Cells: Do They Hold the Key to the Future?. 2021 , 14,	3
153	Cell-based treatment of cerebral palsy: still a long way ahead. 2021 ,	0
152	Cardiomyocytes Cellular Phenotypes After Myocardial Infarction. 2021 , 8, 750510	3
151	Small Molecule Regulation of Stem Cells that Generate Bone, Chondrocyte, and Cardiac Cells. 2020 , 20, 2344-2361	
150	Translational development of mesenchymal stem cell therapy for cardiovascular diseases. 2009 , 36, 145-7	17
149	Cardiac cell repair therapy: a clinical perspective. 2009 , 84, 876-92	48
148	Bone marrow derived stem cells in regenerative medicine as advanced therapy medicinal products. 2010 , 2, 285-95	19
147	Pluripotent stem cells for cardiac regeneration: overview of recent advances & emerging trends. 2013 , 137, 270-82	4
146	Mechanisms of load dependency of myocardial ischemia reperfusion injury. 2013 , 3, 180-96	50
145	The effect of autologous bone marrow mononuclear cell transplantation on the survival duration in Amyotrophic Lateral Sclerosis - a retrospective controlled study. 2015 , 4, 50-65	16
144	Effect of human Wharton's jelly mesenchymal stem cell secretome on proliferation, apoptosis and drug resistance of lung cancer cells. 2015 , 10, 134-42	24
143	Strategies for functional bioscaffold-based skeletal muscle reconstruction. 2015 , 3, 256	4
142	Nicotine: A Double-Edged Sword in Atherosclerotic Disease. 2014 , 30, 108-13	1

141	Current Status and Perspectives in Stem Cell Therapy for Heart. 2014 , 30, 382-94	
140	Electrospun nanofibrous sheets of collagen/elastin/polycaprolactone improve cardiac repair after myocardial infarction. 2016 , 8, 1678-94	14
139	Comparison of stem cell therapies for acute kidney injury. 2016 , 5, 1-10	19
138	Translation of Methodology Used In Human Myocardial Imaging to a Sheep Model of Acute Myocardial Infarction. 2013 , 1, 10-21	
137	Periprostatic implantation of neural differentiated mesenchymal stem cells restores cavernous nerve injury-mediated erectile dysfunction. 2016 , 8, 2549-61	6
136	The cardiac regenerative potential of myoblasts remains limited despite improving their survival via antioxidant treatment. 2014 , 2,	
135	Mesenchymal stem cell-derived exosomes do not promote the proliferation of cancer cells. 2019 , 11, 177-189	7
134	Upregulation of MiR-29b contributes to mesenchymal stem cell dysfunction in patients with severe pre-eclampsia. 2017 , 10, 10243-10251	1
133	Comparison of the effects of intramyocardial and intravenous injections of human mesenchymal stem cells on cardiac regeneration after heart failure. 2020 , 23, 879-885	1
132	Extracellular vesicles fail to trigger the generation of new cardiomyocytes in chronically infarcted hearts. 2021 , 11, 10114-10124	1
131	MicroRNAs and exosomes: Cardiac stem cells in heart diseases. 2021 , 229, 153701	2
130	Effect of intravenous cell therapy in rats with old myocardial infarction. 2021 , 1	1
129	Basic and Translational Research in Cardiac Repair and Regeneration: JACC'State-of-the-Art'Review. 2021 , 78, 2092-2105	3
128	Role of Signaling Pathways during Cardiomyocyte Differentiation of Mesenchymal Stem Cells. 2021 , ,	1
127	Emerging concepts in the treatment of optic neuritis: mesenchymal stem cell-derived extracellular vesicles. 2021 , 12, 594	0
126	β -Adrenergic receptor mediates adipose-derived stem cell sheet-induced protection against chronic heart failure after myocardial infarction in rats. 2021 ,	1
125	The Application of Nanomaterial in Skeletal Muscle Regeneration. 2021 , 37-85	
124	Therapeutic mechanisms and routes of delivery of mesenchymal stem cells in veterinary medicine: A point of view. 2022 , 46, 1173-1176	

- 123 Mesenchymal stem cells derived secretome as an innovative cell-free therapeutic approach. **2022**, 46, 907-911
- 122 Human platelet lysate (hPL) alters the lineage commitment and paracrine functions of human mesenchymal stem cells via mitochondrial metabolism. **2022**, 26, 101264 2
- 121 The role of apoptotic bone marrow cells in activation of liver regeneration. **2022**, 23, 110-118
- 120 Effect of conditioned medium of umbilical cord-derived mesenchymal stem cells as a culture medium for human granulosa cells: An experimental study.. **2021**, 19, 1037-1044
- 119 Small Extracellular Vesicles from Human Amniotic Fluid Samples as Promising Theranostics.. **2022**, 23, 0
- 118 Tissue engineered vascular grafts transform into autologous neovessels capable of native function and growth. **2022**, 2, 2
- 117 Nanoparticles functionalized with stem cell secretome and CXCR4-overexpressing endothelial membrane for targeted osteoporosis therapy.. **2022**, 20, 35 3
- 116 evaluation of bioprinted cardiac patches composed of cardiac-specific extracellular matrix and progenitor cells in a model of pediatric heart failure. **2021**, 0
- 115 Biomimetic Design of Artificial Hybrid Nanocells for Boosted Vascular Regeneration in Ischemic Tissues.. **2022**, e2110352 5
- 114 A 3D Mathematical Model of Coupled Stem Cell-Nutrient Dynamics in Myocardial Regeneration Therapy.. **2022**, 537, 111023
- 113 SHED-derived exosomes improve the repair capacity and osteogenesis potential of hPDLcs.. **2022**,
- 112 Transendocardial CD34 Cell Therapy Improves Local Mechanical Dyssynchrony in Patients With Nonischemic Dilated Cardiomyopathy.. **2022**, 31, 9636897221080384 0
- 111 Therapeutic Uses of Stem Cells for Heart Failure: Hype or Hope. **2022**, 1-34
- 110 Mesenchymal Stem Cell (MSCs) Therapy for Ischemic Heart Disease: A Promising Frontier.. **2022**, 17, 19 0
- 109 Optimal Delivery Route of Mesenchymal Stem Cells for Cardiac Repair: The Path to Good Clinical Practice.. **2022**, 1
- 108 Stem Cells Storage, Packaging, and Transportation. **2022**, 233-255
- 107 Mesenchymal stem cells, secretome and biomaterials in in-vivo animal models: Regenerative medicine application in cutaneous wound healing. **2022**, 46, 1-12 0
- 106 Dare to dream? Cell-based therapies for heart failure after DREAM-HF: Review and roadmap for future clinical study. **2022**, 13, 100118

105	Effects of Cell Density and Microenvironment on Stem Cell Mitochondria Transfer among Human Adipose-Derived Stem Cells and HEK293 Tumorigenic Cells.. 2022 , 23,	1
104	Biosensors to Monitor Cell Activity in 3D Hydrogel-Based Tissue Models.. 2022 , 22,	4
103	Mesenchymal Stromal/Stem Cells and Their Products as a Therapeutic Tool to Advance Lung Transplantation.. 2022 , 11,	2
102	Cardiac Cell Therapy with Pluripotent Stem Cell-Derived Cardiomyocytes: What Has Been Done and What Remains to Do?. 2022 , 1	1
101	Ultrasound-targeted cationic microbubbles combined with the NFB binding motif increase SDF-1 β gene transfection: A protective role in hearts after myocardial infarction.. 2022 ,	1
100	On the cellular origin of cardiosphere-derived cells (CDCs).. 2022 , 117, 12	1
99	Efficacy of Stem Cell Therapy in Large Animal Models of Ischemic Cardiomyopathies: A Systematic Review and Meta-Analysis.. 2022 , 12,	1
98	Arthroscopic Rotator Cuff Repair Augmentation With Autologous Microfragmented Lipoaspirate Tissue Is Safe and Effectively Improves Short-term Clinical and Functional Results: A Prospective Randomized Controlled Trial With 24-Month Follow-up.. 2022 , 3635465221083324	0
97	Therapeutic properties of stem cell-derived exosomes in ischemic heart disease.. 2022 , 920, 174839	1
96	Regenerative Medicine Therapies for Prevention of Abdominal Adhesions: A Scoping Review.. 2022 , 275, 252-264	1
95	Acellular nerve grafts supplemented with induced pluripotent stem cell-derived exosomes promote peripheral nerve reconstruction and motor function recovery.. 2022 , 15, 272-287	1
94	Therapeutic applications of mesenchymal cells derived from human placenta: A comprehensive meta-review. 277-294	
93	Roles of mesenchymal stem cells and exosomes in interstitial cystitis/bladder pain syndrome.. 2021 ,	2
92	Nanostructured Modifications of Titanium Surfaces Improve Vascular Regenerative Properties of Exosomes Derived from Mesenchymal Stem Cells: Preliminary In Vitro Results.. 2021 , 11,	4
91	Therapeutic Applications of Extracellular Vesicles for Myocardial Repair.. 2021 , 8, 758050	3
90	Modulation of Mesenchymal Stem Cells for Enhanced Therapeutic Utility in Ischemic Vascular Diseases.. 2021 , 23,	3
89	Data_Sheet_1.docx. 2019 ,	
88	image_1.tif. 2018 ,	

87 image_2.tif. **2018**,

86 image_3.tif. **2018**,

85 Data_Sheet_1.PDF. **2019**,

84 Data_Sheet_2.PDF. **2019**,

83 Table_1.DOCX. **2019**,

82 Data_Sheet_1.PDF. **2020**,

81 Image_1.TIF. **2018**,

80 Image_2.tif. **2018**,

79 Image_1.png. **2020**,

78 Nanoscale treatment of intervertebral disc denervation: mesenchymal stem cell exosome transplantation.. **2022**,

77 Adiponectin improves the therapeutic efficacy of mesenchymal stem cells by enhancing their engraftment and survival in the peri-infarct myocardium through the AMPK pathway.. **2022**, 14, 534-553

76 Human Adipose-Derived Stem Cell-Conditioned Medium Promotes Vascularization of Nanostructured Scaffold Transplanted into Nude Mice.. **2022**, 12,

75 Pre-Conditioning Methods and Novel Approaches with Mesenchymal Stem Cells Therapy in Cardiovascular Disease. **2022**, 11, 1620

1

74 LPS-pretreated MSC-conditioned medium optimized with 10-kDa filter attenuates the injury of H9c2 cardiomyocytes in a model of hypoxia/reoxygenation.. **2022**,

73 The Delivery of the Recombinant Protein Cocktail Identified by Stem Cell-Derived Secretome Analysis Accelerates Kidney Repair After Renal Ischemia-Reperfusion Injury. **2022**, 10,

1

72 Mesh-like electrospun membrane loaded with atorvastatin facilitates cutaneous wound healing by promoting the paracrine function of mesenchymal stem cells.. **2022**, 13, 190

2

71 Xenotransplantation of cryopreserved human clumps of mesenchymal stem cells/extracellular matrix complexes pretreated with IFN- γ induces rat calvarial bone regeneration.. **2022**, 20, 117-125

70 Adipose Tissue-Derived Stem Cells and the Importance of Animal Model Standardization for Pre-Clinical Trials. **2013**, 21, 281-287

69	Cardiac Progenitor Cells and Adipocyte Stem Cells from Same Patients Exhibit In Vitro Functional Differences. 2022 , 23, 5588	
68	SDF -1-edited human amniotic mesenchymal stem cells stimulate angiogenesis in treating hindlimb ischaemia.	0
67	Mitochondrial Membrane Potential Identifies a Subpopulation of Mesenchymal Progenitor Cells to Promote Angiogenesis and Myocardial Repair. 2022 , 11, 1713	1
66	Adipose tissue-derived regenerative cell-based therapies: Current optimisation strategies for effective treatment in aesthetic surgery. 2022 , 1-33	
65	Human Cardiac Progenitor Cell-Derived Extracellular Vesicles Exhibit Promising Potential for Supporting Cardiac Repair in Vitro. 13,	0
64	Large-Scale Expansion of Human Umbilical Cord-Derived Mesenchymal Stem Cells in a Stirred Suspension Bioreactor Enabled by Computational Fluid Dynamics Modeling. 2022 , 9, 274	
63	UTP Regulates the Cardioprotective Action of Transplanted Stem Cells Derived From Mouse Cardiac Adipose Tissue. 13,	0
62	Opportunities and challenges in stem cells therapy in cardiovascular diseases: position standing in 2022. 2022 ,	
61	Adult Mesenchymal Stem Cells and Derivatives in Improved Elastin Homeostasis in a Rat Model of Abdominal Aortic Aneurysms.	0
60	Nano-Messengers of the Heart: Promising Theranostic Candidates for Cardiovascular Maladies. 13,	1
59	Role of hypoxia preconditioning in therapeutic potential of mesenchymal stem-cell-derived extracellular vesicles. 2022 , 14, 453-472	2
58	Extracellular vesicles derived from human dental mesenchymal stem cells stimulated with low-intensity pulsed ultrasound alleviate inflammation-induced bone loss in a mouse model of periodontitis. 2022 ,	
57	Extracellular vesicles in pancreatic cancer immune escape: Emerging roles and mechanisms. 2022 , 183, 106364	0
56	Paracrine Factors Released by Stem Cells of Mesenchymal Origin and their Effects in Cardiovascular Disease: A Systematic Review of Pre-clinical Studies.	1
55	New Approaches for Enhancement of the Efficacy of Mesenchymal Stem Cell-Derived Exosomes in Cardiovascular Diseases.	4
54	Organ-Specific Differentiation of Human Adipose-Derived Stem Cells in Various Organs of Xenotransplanted Rats: A Pilot Study. 2022 , 12, 1116	
53	Dynamic Culture of Mesenchymal Stromal/Stem Cell Spheroids and Secretion of Paracrine Factors. 10,	0
52	Clumps of mesenchymal stem cells/extracellular matrix complexes directly reconstruct the functional periodontal tissue in a rat periodontal defect model.	0

- 51 Epicardial transplantation of autologous atrial appendage micrografts: evaluation of safety and feasibility in pigs after coronary artery occlusion. **2022**, 56, 352-360 ○
- 50 Extracellular vesicles in cardiac repair and regeneration: Beyond stem-cell-based approaches. 10, ○
- 49 Extracellular Vesicles Derived from Mesenchymal Stem Cells: A Potential Biodrug for Acute Respiratory Distress Syndrome Treatment. ○
- 48 Cardiac inducing colonies halt fibroblast activation and induce cardiac/endothelial cells to move and expand via paracrine signaling. **2022**, 33, ○
- 47 Potential Therapeutic Role of Mesenchymal-Derived Stem Cells as an Alternative Therapy to Combat COVID-19 through Cytokines Storm. **2022**, 11, 2686 ○
- 46 Detachable Microneedle Patches Deliver Mesenchymal Stromal Cell Factor-Loaded Nanoparticles for Cardiac Repair. 2
- 45 Regenerative medicine technologies applied to transplant medicine. An update. 10, ○
- 44 Assessment of Myocardial Diastolic Dysfunction as a Result of Myocardial Infarction and Extracellular Matrix Regulation Disorders in the Context of Mesenchymal Stem Cell Therapy. **2022**, 11, 5430 ○
- 43 Umbilical cord plasma concentrate has beneficial effects on DNA methylation GrimAge and human clinical biomarkers. ○
- 42 Comparison of the therapeutic effects of human umbilical cord blood-derived mesenchymal stem cells and adipose-derived stem cells on erectile dysfunction in a rat model of bilateral cavernous nerve injury. 10, ○
- 41 Advances in stromal cell therapy for management of Alzheimer's disease. 13, ○
- 40 Novel fabrication of bioengineered injectable chitosan hydrogel loaded with conductive nanoparticles to improve therapeutic potential of mesenchymal stem cells in functional recovery after ischemic myocardial infarction. **2022**, 102616 1
- 39 Significance and perspectives of telocytes in lung diseases. **2022**, 2, ○
- 38 Adipose-Derived Stem Cell Exosomes Inhibit Hypertrophic Scarring Formation by Regulating Th17/Treg Cell Balance. **2022**, 2022, 1-12 ○
- 37 Mechanical strain drives exosome production, function, and miRNA cargo in C2C12 muscle progenitor cells. 1
- 36 Electroconductive scaffolds based on gelatin and PEDOT:PSS for cardiac regeneration. **2022**, 1
- 35 Cell Sources for Cardiac Tissue Engineering. **2012**, 27-40 ○
- 34 Therapeutic Uses of Stem Cells for Heart Failure: Hype or Hope. **2022**, 511-544 ○

- 33 Adipose Tissue-Derived Regenerative Cell-Based Therapies: Current Optimization Strategies for Effective Treatment in Aesthetic Surgery. **2022**, 691-723 ○
- 32 Stem cell sheet fabrication from human umbilical cord mesenchymal stem cell and Col-T scaffold. **2022**, 65, 102960 1
- 31 pH-driven continuous stem cell production with enhanced regenerative capacity from polyamide/chitosan surfaces. **2023**, 18, 100514 ○
- 30 Within or Without You? A Perspective Comparing In Situ and Ex Situ Tissue Engineering Strategies for Articular Cartilage Repair. **2022**, 11, 2201305 ○
- 29 Genome Editing and Cardiac Regeneration. **2023**, 37-52 ○
- 28 The Therapeutic Potential of Human Umbilical Cord Derived Mesenchymal Stem Cells for the Treatment of Premature Ovarian Failure. ○
- 27 Ovarian rescue in women with premature ovarian insufficiency (POI): facts and fiction. **2022**, ○
- 26 Danish phase II trial using adipose tissue derived mesenchymal stromal cells for patients with ischaemic heart failure. ○
- 25 Extracellular Vesicles and Cellular Ageing. **2023**, 271-311 1
- 24 Bioactive Decellularized Tendon-Derived Stem Cell Sheet for Promoting Graft Healing After Anterior Cruciate Ligament Reconstruction. **2023**, 51, 66-80 1
- 23 Therapeutic Efficiency of Nasal Mucosa-Derived Ectodermal Mesenchymal Stem Cells in Rats with Acute Hepatic Failure. **2023**, 2023, 1-13 ○
- 22 Cord Blood Plasma and Placental Mesenchymal Stem Cells-Derived Exosomes Increase Ex Vivo Expansion of Human Cord Blood Hematopoietic Stem Cells While Maintaining Their Stemness. **2023**, 12, 250 ○
- 21 Hypoxia-Elicited Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Alleviate Myocardial Infarction by Promoting Angiogenesis through the miR-214/Sufu Pathway. **2023**, 2023, 1-14 ○
- 20 Extracellular vesicles derived from different sources play various roles in diabetic retinopathy. 13, ○
- 19 Therapeutic role of mesenchymal stem cells seeded dermal matrix versus acellular dermal matrix in healing of skin defect. **2019**, 5, 13-21 ○
- 18 Embryonic-stem-cell-derived mesenchymal stem cells relieve experimental urticaria by regulating the functions of mast cells and T cells. ○
- 17 Cell Therapy for Muscular Dystrophy. ○
- 16 Salivary gland regeneration: from salivary gland stem cells to three-dimensional bioprinting. **2023**, ○

- 15 Allogenic bone marrow-derived mesenchymal stem cells and its conditioned media for repairing acute and sub-acute peripheral nerve injuries in a rabbit model. **2023**, 82, 102053 ○
- 14 Secretive derived from hypoxia preconditioned mesenchymal stem cells promote cartilage regeneration and mitigate joint inflammation via extracellular vesicles. **2023**, 27, 98-112 ○
- 13 A clinical feasible stem cell encapsulation ensures an improved wound healing. **2023**, 18, 025005 ○
- 12 Bactericidal Action and Industrial Dye Degradation of Graphene Oxide and Polyacrylic Acid-Doped SnO2 Quantum Dots: In Silico Molecular Docking Study. **2023**, 8, 5808-5819 ○
- 11 Micro RNA based MSC EV engineering: Targeting the BMP2 cascade for bone repair. 11, ○
- 10 Single cell transcriptomics identifies adipose tissue CD271+ progenitors for enhanced angiogenesis in limb ischemia. ○
- 9 Neuroprotective effect of mesenchymal stem cell-derived extracellular vesicles on optic nerve injury in chronic ocular hypertension. **2023**, 18, 2301 ○
- 8 Empagliflozin-Pretreated Mesenchymal Stem Cell-Derived Small Extracellular Vesicles Attenuated Heart Injury. **2023**, 2023, 1-17 ○
- 7 Umbilical cord blood cells in the treatment of patients with schizophrenia in remission. **2021**, 16, 75-81 ○
- 6 3D Printing of Poly-εCaprolactone (PCL) Auxetic Implants with Advanced Performance for Large Volume Soft Tissue Engineering. 2215220 ○
- 5 dCas9-Based PDGFR α Activation ADSCs Accelerate Wound Healing in Diabetic Mice through Angiogenesis and ECM Remodeling. **2023**, 24, 5949 ○
- 4 Vascularization of cutaneous wounds by stem cells. **2023**, ○
- 3 Evolving Diagnostic and Management Advances in Coronary Heart Disease. **2023**, 13, 951 ○
- 2 Efficacy of mesenchymal stem cell therapy in rodent models of radiation-induced xerostomia and oral mucositis: a systematic review. **2023**, 14, ○
- 1 Biology and therapeutic potential of mesenchymal stem cell extracellular vesicles in axial spondyloarthritis. **2023**, 6, ○