

CITATION REPORT

List of articles citing

Bone marrow stromal cells attenuate sepsis via prostaglandin E(2)-dependent reprogramming of host macrophages to increase their interleukin-10 production

DOI: 10.1038/nm.1905

Nature Medicine, 2009, 15, 42-9.

Source: <https://exaly.com/paper-pdf/46337152/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2033	MicroRNA fingerprints identify miR-150 as a plasma prognostic marker in patients with sepsis. 2009 , 4, e7405		236
2032	Cytokine modulation of TLR expression and activation in mesenchymal stromal cells leads to a proinflammatory phenotype. 2009 , 182, 7963-73		226
2031	Mesenchymal stem cells derived from human gingiva are capable of immunomodulatory functions and ameliorate inflammation-related tissue destruction in experimental colitis. 2009 , 183, 7787-98		524
2030	Bone marrow stromal cells attenuate lung injury in a murine model of neonatal chronic lung disease. 2009 , 180, 1122-30		378
2029	Microvesicles from mesenchymal stromal cells protect against acute kidney injury. 2009 , 20, 927-8		19
2028	Mesenchymal stem cell-educated macrophages: a novel type of alternatively activated macrophages. 2009 , 37, 1445-53		573
2027	Research highlights. 2009 , 27, 152-152		
2026	Mesenchymal stem cells combat sepsis. <i>Nature Medicine</i> , 2009 , 15, 18-20	50.5	33
2025	Correction: Corrigendum: Bone marrow stromal cells attenuate sepsis via prostaglandin E2-dependent reprogramming of host macrophages to increase their interleukin-10 production. <i>Nature Medicine</i> , 2009 , 15, 462-462	50.5	11
2024	Mesenchymal stem cells: another anti-inflammatory treatment for sepsis?. <i>Nature Medicine</i> , 2009 , 15, 601-2; author reply 602	50.5	6
2023	Reply to 'Mesenchymal stem cells: another anti-inflammatory treatment for sepsis?'. <i>Nature Medicine</i> , 2009 , 15, 602-602	50.5	
2022	[Therapeutic application of mesenchymal stromal cells in autoimmune disease: rationale and initial clinical experience]. 2009 , 68, 220, 222-7		0
2021	Intravenous glutamine decreases lung and distal organ injury in an experimental model of abdominal sepsis. 2009 , 13, R74		45
2020	Mechanisms involved in the therapeutic properties of mesenchymal stem cells. 2009 , 20, 419-27		1056
2019	Characterization of the HeCo mutant mouse: a new model of subcortical band heterotopia associated with seizures and behavioral deficits. 2009 , 19, 563-75		35
2018	Non-expanded adipose stromal vascular fraction cell therapy for multiple sclerosis. 2009 , 7, 29		232
2017	Mesenchymal stem cells: innovative therapeutic tools for rheumatic diseases. 2009 , 5, 392-9		213

2016	Potential application of mesenchymal stem cells in acute lung injury. 2009 , 9, 1259-70	113
2015	MSCs inhibit monocyte-derived DC maturation and function by selectively interfering with the generation of immature DCs: central role of MSC-derived prostaglandin E2. 2009 , 113, 6576-83	512
2014	The role of stromal stem cells in tissue regeneration and wound repair. 2009 , 324, 1666-9	258
2013	Allogeneic human mesenchymal stem cells for treatment of E. coli endotoxin-induced acute lung injury in the ex vivo perfused human lung. 2009 , 106, 16357-62	562
2012	Efficient expansion of mesenchymal stromal cells from umbilical cord under low serum conditions. 2009 , 11, 738-48	35
2011	Adult stem cell transplantation in autoimmune disease. 2009 , 16, 285-91	31
2010	Characterization of Gaucher disease bone marrow mesenchymal stromal cells reveals an altered inflammatory secretome. 2009 , 114, 3181-90	76
2009	Escherichia coli counting using lens-free imaging for sepsis diagnosis. 2009 ,	
2008	Mesenchymal stem cells for treatment and prevention of graft-versus-host disease after allogeneic hematopoietic cell transplantation. 2009 , 4, 252-9	40
2007	Growth factors and cytokines in acute lung injury. 2011 , 1, 81-104	22
2006	Ablation of TNF-alpha receptors influences mesenchymal stem cell-mediated cardiac protection against ischemia. 2010 , 34, 236-42	17
2005	Bone marrow-derived mononuclear cell therapy in experimental pulmonary and extrapulmonary acute lung injury. 2010 , 38, 1733-41	54
2004	Bone marrow and pancreatic islets: an old story with new perspectives. 2010 , 19, 1511-22	20
2003	Mesenchymal stem cells for acute lung injury: preclinical evidence. 2010 , 38, S569-73	129
2002	Stem cells in sepsis and acute lung injury. 2010 , 38, 2379-85	54
2001	MORE for multiple organ dysfunction syndrome: Multiple Organ REanimation, REgeneration, and REprogramming. 2010 , 38, 2242-6	6
2000	Paracrine/endocrine mechanism of stem cells on kidney repair: role of microvesicle-mediated transfer of genetic information. 2010 , 19, 7-12	131
1999	Bone marrow mesenchymal stromal cells attenuate organ injury induced by LPS and burn. 2010 , 19, 823-30	89

1998	A mesenchymal stem cell potency assay. 2011 , 677, 221-31	29
1997	Modulation of bone marrow stromal cell functions in infectious diseases by toll-like receptor ligands. 2010 , 88, 5-10	61
1996	A consensus statement addressing mesenchymal stem cell transplantation for multiple sclerosis: it's time!. 2010 , 6, 500-6	23
1995	Mesenchymal stem cells attenuate myocardial functional depression and reduce systemic and myocardial inflammation during endotoxemia. 2010 , 148, 444-52	62
1994	Challenges in allogeneic mesenchymal stem cell-mediated cardiac repair. 2010 , 20, 263-8	15
1993	[Radiation burn "innovating therapeutic approach"]. 2010 , 55, 354-62	7
1992	Human mesenchymal stem cell transplantation protects against cerebral ischemic injury and upregulates interleukin-10 expression in Macaca fascicularis. 2010 , 1334, 65-72	69
1991	Mesenchymal stem cells as anti-inflammatories: implications for treatment of Duchenne muscular dystrophy. 2010 , 260, 75-82	124
1990	Prostaglandin E2 plays a key role in the immunosuppressive properties of adipose and bone marrow tissue-derived mesenchymal stromal cells. 2010 , 316, 3109-23	137
1989	Why should mesenchymal stem cells (MSCs) cure autoimmune diseases?. 2010 , 22, 768-74	115
1988	Les cellules souches m�esenchymateuses : des cellules pour la m�edecine r�eg�enerative du futur ?. 2010 , 2010, 47-59	
1987	Human gingiva-derived mesenchymal stem cells elicit polarization of m2 macrophages and enhance cutaneous wound healing. 2010 , 28, 1856-68	398
1986	Antibacterial effect of human mesenchymal stem cells is mediated in part from secretion of the antimicrobial peptide LL-37. 2010 , 28, 2229-38	517
1985	Unexpected roles for bone marrow stromal cells (or MSCs): a real promise for cellular, but not replacement, therapy. 2010 , 16, 129-35	13
1984	Mesenchymal stem cells: a new strategy for immunosuppression and tissue repair. 2010 , 20, 510-8	392
1983	Allogeneic mesenchymal stem cells do not protect NZBxNZW F1 mice from developing lupus disease. 2010 , 161, 176-86	70
1982	Mesenchymal stem cells for clinical application. 2010 , 98, 93-107	203
1981	IL-6-dependent PGE2 secretion by mesenchymal stem cells inhibits local inflammation in experimental arthritis. 2010 , 5, e14247	272

1980	Indoleamine 2,3-dioxygenase in human hematopoietic stem cell transplantation. 2010 , 3, 77-90	2
1979	Immune cells and oxidative stress in the endotoxin tolerance mouse model. 2010 , 43, 57-67	19
1978	Allogeneic human mesenchymal stem cells restore epithelial protein permeability in cultured human alveolar type II cells by secretion of angiopoietin-1. 2010 , 285, 26211-22	199
1977	Systemic administration of mesenchymal stem cells increases neuron survival after global cerebral ischemia in vivo (2VO). 2010 , 2010, 534925	22
1976	Mouse bone marrow-derived mesenchymal stromal cells turn activated macrophages into a regulatory-like profile. 2010 , 5, e9252	423
1975	Mesenchymal stem cells: Mechanisms of immunomodulation and homing. 2010 , 19, 667-79	515
1974	Innate immunity in the therapeutic actions of endothelial progenitor cells in pulmonary hypertension. 2010 , 43, 546-54	60
1973	Direct intrathecal implantation of mesenchymal stromal cells leads to enhanced neuroprotection via an NFkappaB-mediated increase in interleukin-6 production. 2010 , 19, 867-76	73
1972	Umbilical cord-derived mesenchymal stromal cells modulate monocyte function to suppress T cell proliferation. 2010 , 185, 6617-23	138
1971	Nonsteroidal anti-inflammatory drugs increase TNF production in rheumatoid synovial membrane cultures and whole blood. 2010 , 185, 3694-701	48
1970	Bone marrow stromal cells use TGF-beta to suppress allergic responses in a mouse model of ragweed-induced asthma. 2010 , 107, 5652-7	335
1969	Progenitor cell therapy for the treatment of central nervous system injury: a review of the state of current clinical trials. 2010 , 2010, 369578	21
1968	Modulation of adult mesenchymal stem cells activity by toll-like receptors: implications on therapeutic potential. 2010 , 2010, 865601	134
1967	Allogeneic fetal membrane-derived mesenchymal stem cells contribute to renal repair in experimental glomerulonephritis. 2010 , 299, F1004-13	31
1966	Toll-like receptor 2 mediates mesenchymal stem cell-associated myocardial recovery and VEGF production following acute ischemia-reperfusion injury. 2010 , 298, H1529-36	35
1965	Update on acute lung injury and critical care medicine 2009. 2010 , 181, 1027-32	15
1964	Mesenchymal stem cells: biological properties and clinical applications. 2010 , 10, 1453-68	123
1963	Non-multipotent stroma inhibit the proliferation and differentiation of mesenchymal stromal cells in vitro. 2010 , 12, 818-30	15

1962	Therapeutic potential of mesenchymal stem cells for severe acute lung injury. 2010 , 138, 965-72	134
1961	Mesenchymal stem cells as therapeutics. 2010 , 12, 87-117	532
1960	Stem cells and cell therapy approaches in lung biology and diseases. 2010 , 156, 188-205	97
1959	Advances and challenges in translating stem cell therapies for clinical diseases. 2010 , 156, 107-11	14
1958	Mesenchymal stem cells and osteoarthritis: remedy or accomplice?. 2010 , 21, 1239-50	52
1957	Immunomodulatory cell therapy in sepsis: have we learnt lessons from the past?. 2010 , 8, 1109-12	6
1956	Reactive bone marrow stromal cells attenuate systemic inflammation via sTNFR1. 2010 , 18, 1857-64	130
1955	Mesenchymal stem cells reduce inflammation while enhancing bacterial clearance and improving survival in sepsis. 2010 , 182, 1047-57	515
1954	Mesenchymal stem cell therapy: Two steps forward, one step back. 2010 , 16, 203-9	455
1953	Fluorofenidone protects mice from lethal endotoxemia through the inhibition of TNF-alpha and IL-1beta release. 2010 , 10, 580-3	21
1952	Regenerative stromal cell therapy in allogeneic hematopoietic stem cell transplantation: current impact and future directions. 2010 , 16, 891-906	32
1951	Mesenchymal stromal cells: facilitators of successful transplantation?. 2010 , 7, 431-42	246
1950	Allogeneic administration of fetal membrane-derived mesenchymal stem cells attenuates acute myocarditis in rats. 2010 , 49, 753-61	26
1949	Expression and secretion of interleukin-1, tumour necrosis factor- α and interleukin-10 by hypoxia- and serum-deprivation-stimulated mesenchymal stem cells. 2010 , 277, 3688-98	31
1948	A new mesenchymal stem cell (MSC) paradigm: polarization into a pro-inflammatory MSC1 or an immunosuppressive MSC2 phenotype. 2010 , 5, e10088	803
1947	Homing pathways of mesenchymal stromal cells (MSCs) and their role in clinical applications. 2010 , 29, 514-29	49
1946	Immunomodulatory properties of mesenchymal stromal cells and their therapeutic consequences for immune-mediated disorders. 2010 , 19, 607-14	166
1945	Mesenchymal stromal cells inhibit graft-versus-host disease of mice in a dose-dependent manner. 2010 , 12, 361-70	60

1944	Immunological aspects of allogeneic mesenchymal stem cell therapies. 2010 , 21, 1641-55	223
1943	Stem Cells in the Respiratory System. 2010 ,	
1942	Immunosuppression by mesenchymal stem cells: mechanisms and clinical applications. 2010 , 1, 2	351
1941	New concepts on the immune modulation mediated by mesenchymal stem cells. 2010 , 1, 34	100
1940	Immunomodulation of delayed-type hypersensitivity responses by mesenchymal stem cells is associated with bystander T cell apoptosis in the draining lymph node. 2010 , 185, 4022-9	43
1939	Female stem cells are superior to males in preserving myocardial function following endotoxemia. 2011 , 300, R1506-14	23
1938	Successes and failures of stem cell transplantation in autoimmune diseases. 2011 , 2011, 280-4	65
1937	Sepsis and acute kidney injury. 2011 , 22, 999-1006	354
1936	Mesenchymal stem cells and acute lung injury. 2011 , 27, 719-33	68
1935	Stem cells and cell therapies in lung biology and lung diseases. 2011 , 8, 223-72	118
1934	Les cellules souches en pneumologie: de la thérapie cellulaire au bio-engineering du poumon. 2011 , 3, 466-472	
1933	Bone marrow stromal cell transplants prevent experimental enterocolitis and require host CD11b+ splenocytes. 2011 , 140, 966-75	54
1932	The acute respiratory distress syndrome: pathogenesis and treatment. 2011 , 6, 147-63	620
1931	Autoimmune Diseases of the Skin. 2011 ,	4
1930	Basics of Stem and Progenitor Cells. 2011 , 1-18	
1929	Progenitor Cell Therapy for Neurological Injury. 2011 ,	
1928	Human mesenchymal stem cells inhibit vascular permeability by modulating vascular endothelial cadherin/E-catenin signaling. 2011 , 20, 89-101	85
1927	Growth factors, stem cells and bronchopulmonary dysplasia. 2011 , 99, 326-37	15

1926	Interaction of a specific population of human embryonic stem cell-derived progenitor cells with CD11b+ cells ameliorates sepsis-induced lung inflammatory injury. 2011 , 178, 313-24	23
1925	Inflammation and mesenchymal stem cell aging. 2011 , 23, 518-24	104
1924	[Therapeutic possibilities of stem cells in the treatment of liver diseases]. 2011 , 34, 701-10	3
1923	Bone marrow-derived cells: A potential approach for the treatment of xerostomia. 2011 , 43, 5-9	41
1922	Immunomodulatory therapy for severe influenza. 2011 , 9, 807-22	87
1921	The immunomodulatory properties of mesenchymal stem cells: implications for surgical disease. 2011 , 167, 78-86	26
1920	The MSC: an injury drugstore. 2011 , 9, 11-5	1146
1919	Stem cells in toxicology: fundamental biology and practical considerations. 2011 , 120 Suppl 1, S269-89	71
1918	Therapeutic plasticity of stem cells and allograft tolerance. 2011 , 13, 647-60	35
1917	Human Bone Marrow Derived Mesenchymal Stem Cells Regulate Leukocyte-Endothelial Interactions and Activation of Transcription Factor NF-Kappa B. 2011 , Suppl 3, 001	9
1916	Enhancing Stroke Recovery with Cellular Therapies. 2011 , 1134-1146	1
1915	[Preclinical experience in stem cell therapy for digestive tract diseases]. 2011 , 58, 133-8	
1914	Stem Cell Injury and Premature Senescence. 2011 , 275-288	
1913	Immunogenicity and Immune-Modulating Properties of Human Stem Cells. 2011 ,	2
1912	How do Mesenchymal Stem Cells Repair?. 2011 ,	7
1911	Mesenchymal stromal cells engage complement and complement receptor bearing innate effector cells to modulate immune responses. 2011 , 6, e21703	101
1910	[Immunosuppression and mesenchymal stem cells: back to the future]. 2011 , 27, 269-74	5
1909	Stem cells in sepsis and acute lung injury. 2011 , 341, 325-32	19

1908	Progenitor cell therapies as a novel treatment for traumatic brain injury: a pathway towards neuroprotection. 2011 , 8, 507-509	1
1907	Inhibition of T-cell proliferation by murine multipotent mesenchymal stromal cells is mediated by CD39 expression and adenosine generation. 2011 , 20, 1221-30	62
1906	Mesenchymal stem cell therapy of intestinal disease: are their effects systemic or localized?. 2011 , 27, 119-24	16
1905	Endothelial activation, dysfunction and permeability during severe infections. 2011 , 18, 191-6	81
1904	Mesenchymal stromal cells: a promising cell source for the treatment of inflammatory cardiomyopathy. 2011 , 17, 3295-307	12
1903	Anti-inflammatory protein TSG-6 secreted by activated MSCs attenuates zymosan-induced mouse peritonitis by decreasing TLR2/NF- κ B signaling in resident macrophages. 2011 , 118, 330-8	445
1902	Intravenous infusion of mesenchymal stem cells is associated with improved myocardial function during endotoxemia. 2011 , 36, 235-41	48
1901	[Acute lung injury/acute respiratory distress syndrome: progress in diagnosis and treatment. Topics: IV. Recent topics: 3. Cell therapy for ARDS]. 2011 , 100, 1613-8	1
1900	Cell therapy of burns. 2011 , 44 Suppl 1, 48-54	43
1899	Bone marrow stromal cells inhibit mast cell function via a COX2-dependent mechanism. 2011 , 41, 526-34	84
1898	Cross-talk between human mesenchymal stem/progenitor cells (MSCs) and rat hippocampal slices in LPS-stimulated cocultures: the MSCs are activated to secrete prostaglandin E2. 2011 , 119, 1052-63	30
1897	Human embryonic stem cell-derived mesenchymal stromal cells. 2011 , 51 Suppl 4, 138S-144S	13
1896	Early and late effects of bone marrow-derived mononuclear cell therapy on lung and distal organs in experimental sepsis. 2011 , 178, 304-14	21
1895	Tumor necrosis factor alpha promotes the expression of immunosuppressive proteins and enhances the cell growth in a human bone marrow-derived stem cell culture. 2011 , 317, 791-801	25
1894	Ligation of TLR2 and TLR4 on murine bone marrow-derived mesenchymal stem cells triggers differential effects on their immunosuppressive activity. 2011 , 271, 147-56	48
1893	Mesenchymal stem cells hold promise for regenerative medicine. 2011 , 5, 372-8	56
1892	Wharton's jelly mesenchymal stem cells as candidates for beta cells regeneration: extending the differentiative and immunomodulatory benefits of adult mesenchymal stem cells for the treatment of type 1 diabetes. 2011 , 7, 342-63	115
1891	A new paradigm for stem cell therapy: substance-P as a stem cell-stimulating agent. 2011 , 34, 2003-6	29

1890	Regulatory factors of mesenchymal stem cell migration into injured tissues and their signal transduction mechanisms. 2011 , 5, 33-9	57
1889	Mesenchymal stromal cells for treatment of steroid-refractory GvHD: a review of the literature and two pediatric cases. 2011 , 4, 27	35
1888	Immunomodulatory properties of human adult and fetal multipotent mesenchymal stem cells. 2011 , 18, 49	115
1887	Long term culture of mesenchymal stem cells in hypoxia promotes a genetic program maintaining their undifferentiated and multipotent status. 2011 , 12, 12	169
1886	Concise review: Mesenchymal stem cells for acute lung injury: role of paracrine soluble factors. 2011 , 29, 913-9	298
1885	Toll-like receptor-3-activated human mesenchymal stromal cells significantly prolong the survival and function of neutrophils. 2011 , 29, 1001-11	153
1884	Action at a distance: systemically administered adult stem/progenitor cells (MSCs) reduce inflammatory damage to the cornea without engraftment and primarily by secretion of TNF- β stimulated gene/protein 6. 2011 , 29, 1572-9	191
1883	Mesenchymal stem cell inhibition of T-helper 17 cell- differentiation is triggered by cell-cell contact and mediated by prostaglandin E2 via the EP4 receptor. 2011 , 41, 2840-51	169
1882	Allogeneic mesenchymal stem cells: agents of immune modulation. 2011 , 112, 1963-8	109
1881	The therapeutic potential of bone marrow-derived stromal cells. 2011 , 112, 2683-7	43
1880	Therapeutic factors secreted by mesenchymal stromal cells and tissue repair. 2011 , 112, 3073-8	65
1879	Paracrine factors of multipotent stromal cells ameliorate lung injury in an elastase-induced emphysema model. 2011 , 19, 196-203	148
1878	Epithelial interactions and local engraftment of lung-resident mesenchymal stem cells. 2011 , 45, 809-16	52
1877	Stem cell-based therapy and regenerative approaches to diseases of the respiratory system. 2011 , 99, 169-87	17
1876	Adhesion molecules: key players in Mesenchymal stem cell-mediated immunosuppression. 2011 , 5, 20-2	45
1875	Epstein-Barr virus Zta-induced immunomodulators from nasopharyngeal carcinoma cells upregulate interleukin-10 production from monocytes. 2011 , 85, 7333-42	30
1874	The role of microvesicles in tissue repair. 2011 , 7, 105-15	88
1873	Immunomodulatory activity of mesenchymal stem cells. 2011 , 6, 297-316	58

1872	Cell sources for bone regeneration: the good, the bad, and the ugly (but promising). 2011 , 17, 423-30	99
1871	Peptide nanofibers preconditioned with stem cell secretome are renoprotective. 2011 , 22, 704-17	35
1870	Adipose-derived stromal/stem cells (ASC) in regenerative medicine: pharmaceutical applications. 2011 , 17, 332-9	42
1869	Lung-derived mesenchymal stromal cell post-transplantation survival, persistence, paracrine expression, and repair of elastase-injured lung. 2011 , 20, 1779-92	82
1868	Skin fibroblasts are potent suppressors of inflammation in experimental arthritis. 2011 , 70, 1671-6	32
1867	Hydrogel-embedded endothelial progenitor cells evade LPS and mitigate endotoxemia. 2011 , 301, F802-12	21
1866	Toll-like receptors as modulators of mesenchymal stem cells. 2012 , 3, 182	121
1865	Inflection points in sepsis biology: from local defense to systemic organ injury. 2012 , 303, L355-63	80
1864	Mesenchymal stem cell-conditioned media recovers lung fibroblasts from cigarette smoke-induced damage. 2012 , 302, L891-908	71
1863	On the interactions between mesenchymal stem cells and regulatory T cells for immunomodulation in transplantation. 2012 , 3, 126	60
1862	Sutures enriched with adipose-derived stem cells decrease the local acute inflammation after tracheal anastomosis in a murine model. 2012 , 42, e40-7	26
1861	Future Roles for Stem Cells in Respiratory Medicine. 2012 , 19, 34-38	1
1860	The impact of mesenchymal stem cell therapy in transplant rejection and tolerance. 2012 , 17, 355-61	29
1859	Airway delivery of soluble factors from plastic-adherent bone marrow cells prevents murine asthma. 2012 , 46, 207-16	58
1858	The potential of mesenchymal stromal cells as a novel cellular therapy for multiple sclerosis. 2012 , 4, 529-47	43
1857	Pre-treatment with IL-1 β enhances the efficacy of MSC transplantation in DSS-induced colitis. 2012 , 9, 473-81	132
1856	Aire controls mesenchymal stem cell-mediated suppression in chronic colitis. 2012 , 20, 178-86	21
1855	Programmed anti-inflammatory macrophages protect against AKI and promote repair through trophic actions. 2012 , 81, 939-941	2

1854	Dissecting paracrine effectors for mesenchymal stem cells. 2013 , 129, 137-52	16
1853	Mesenchymal stem cells enhance recovery and repair following ventilator-induced lung injury in the rat. 2012 , 67, 496-501	197
1852	Human MSC suppression correlates with cytokine induction of indoleamine 2,3-dioxygenase and bystander M2 macrophage differentiation. 2012 , 20, 187-95	452
1851	14S,21R-dihydroxy-docosahexaenoic acid treatment enhances mesenchymal stem cell amelioration of renal ischemia/reperfusion injury. 2012 , 21, 1187-99	31
1850	Class B scavenger receptor types I and II and CD36 targeting improves sepsis survival and acute outcomes in mice. 2012 , 188, 2749-58	46
1849	Hematopoietic stem-progenitor cells restore immunoreactivity and improve survival in late sepsis. 2012 , 80, 602-11	43
1848	The Role of Mesenchymal Stem Cells in the Regenerative Wound Healing Phenotype. 2012 , 1, 159-165	55
1847	The acute respiratory distress syndrome. 2012 , 122, 2731-40	1144
1846	Secreted factors from bone marrow stromal cells upregulate IL-10 and reverse acute kidney injury. 2012 , 2012, 392050	21
1845	Mesenchymal stem cells enhance survival and bacterial clearance in murine Escherichia coli pneumonia. 2012 , 67, 533-9	238
1844	Bone marrow-derived mesenchymal stromal cells enhance chimeric vessel development driven by endothelial cell-coated microtissues. 2012 , 18, 285-94	38
1843	Preclinical Studies: Stem Cells for Treatment of Sepsis. 2012 , 3, 166-171	1
1842	A randomized trial of recombinant human granulocyte-macrophage colony stimulating factor for patients with acute lung injury. 2012 , 40, 90-7	103
1841	Mesenchymal stromal cells: cautious optimism for their potential role in the treatment of acute lung injury. 2012 , 40, 1373-5	7
1840	Intravenous mesenchymal stem cells improve survival and motor function in experimental amyotrophic lateral sclerosis. 2012 , 18, 794-804	109
1839	Isolation of mouse mesenchymal stem cells on the basis of expression of Sca-1 and PDGFR- β . 2012 , 7, 2103-11	195
1838	Safety and efficacy of mesenchymal stromal cell therapy in autoimmune disorders. 2012 , 1266, 107-17	79
1837	Mesenchymal stromal cells of human umbilical cord Wharton's jelly accelerate wound healing by paracrine mechanisms. 2012 , 14, 1171-81	68

1836	Mesenchymal stromal cells: a key player in 'innate tolerance'?. 2012 , 137, 206-13	65
1835	Bone marrow-derived stromal cell therapy for traumatic brain injury is neuroprotective via stimulation of non-neurologic organ systems. 2012 , 152, 790-3	48
1834	Clinical review: Stem cell therapies for acute lung injury/acute respiratory distress syndrome - hope or hype?. 2012 , 16, 205	68
1833	Antiinflammatory and chondroprotective effects of intraarticular injection of adipose-derived stem cells in experimental osteoarthritis. 2012 , 64, 3604-13	210
1832	Embryonic wound healing: a primer for engineering novel therapies for tissue repair. 2012 , 96, 258-70	25
1831	Inhibition of cyclooxygenase-2 enhances immunotherapy against experimental brain tumors. 2012 , 61, 1191-9	22
1830	The multi-faceted roles of prostaglandin E2 in cancer-infiltrating mononuclear phagocyte biology. 2012 , 217, 1225-32	19
1829	Human umbilical cord blood cells alter blood and spleen cell populations after stroke. 2012 , 3, 491-9	19
1828	Stem cells and regenerative medicine in lung biology and diseases. 2012 , 20, 1116-30	62
1827	Toward homeostasis: regulatory dendritic cells from the bone marrow of mice with inflammation of the airways and peritoneal cavity. 2012 , 181, 535-47	10
1826	Mesenchymal stromal cells impair the differentiation of CD14(++) CD16(-) CD64(+) classical monocytes into CD14(++) CD16(+) CD64(++) activate monocytes. 2012 , 14, 12-25	22
1825	Kidney protection and regeneration following acute injury: progress through stem cell therapy. 2012 , 60, 1012-22	99
1824	Transplanted Human Bone Marrow Mesenchymal Stem Cells Seeded onto Peptide Hydrogel Decrease Alveolar Bone Loss. 2012 , 1, 215-21	12
1823	Mesenchymal stem cell therapy for attenuation of scar formation during wound healing. 2012 , 3, 20	181
1822	Fate of intravenously injected mesenchymal stem cells and significance for clinical application. 2013 , 130, 19-37	19
1821	Mesenchymal stem/stromal cells (MSCs): role as guardians of inflammation. 2012 , 20, 14-20	579
1820	Concise review: clinical translation of wound healing therapies based on mesenchymal stem cells. 2012 , 1, 44-50	182
1819	Mesenchymal stem cells/multipotent mesenchymal stromal cells (MSCs): potential role in healing cutaneous chronic wounds. 2012 , 11, 244-53	27

1818	[Biological effects and potential applications of mesenchymal stem cell culture under low oxygen pressure]. 2012 , 60, 193-8	5
1817	Mesenchymal stromal cells: new directions. 2012 , 10, 709-716	577
1816	Application of autologous stem cell transplantation in various adult and pediatric rheumatic diseases. 2012 , 71, 433-8	22
1815	Human oral mucosa and gingiva: a unique reservoir for mesenchymal stem cells. 2012 , 91, 1011-8	115
1814	Mesenchymal stem cells relieve fibrosis of <i>Schistosoma japonicum</i> -induced mouse liver injury. 2012 , 237, 585-92	51
1813	Human mesenchymal stem cells reduce mortality and bacteremia in gram-negative sepsis in mice in part by enhancing the phagocytic activity of blood monocytes. 2012 , 302, L1003-13	225
1812	Treatment of familial hemophagocytic lymphohistiocytosis with third-party mesenchymal stromal cells. 2012 , 21, 3147-51	16
1811	Advances in mesenchymal stem cell research in sepsis. 2012 , 173, 113-26	47
1810	Role of endothelial injury in disease mechanisms and contribution of progenitor cells in mediating endothelial repair. 2012 , 217, 569-80	18
1809	Activated T-cells and pro-inflammatory cytokines differentially regulate prostaglandin E2 secretion by mesenchymal stem cells. 2012 , 419, 215-20	54
1808	Replenishing B lymphocytes in health and disease. 2012 , 24, 196-203	9
1807	Concise review: mesenchymal stem cells and translational medicine: emerging issues. 2012 , 1, 51-8	248
1806	Human mesenchymal stem/stromal cells cultured as spheroids are self-activated to produce prostaglandin E2 that directs stimulated macrophages into an anti-inflammatory phenotype. 2012 , 30, 2283-96	281
1805	Human umbilical cord mesenchymal stem cells reduce systemic inflammation and attenuate LPS-induced acute lung injury in rats. 2012 , 9, 33	100
1804	Mesenchymal stem cell-educated macrophages. 2012 , 1, 12	115
1803	Stem cell conditioned medium improves acute lung injury in mice: in vivo evidence for stem cell paracrine action. 2012 , 303, L967-77	242
1802	Therapeutic applications of mesenchymal stromal cells: paracrine effects and potential improvements. 2012 , 18, 101-15	213
1801	Current thoughts on the therapeutic potential of stem cell. 2012 , 879, 3-26	4

1800	Differential effect of allogeneic versus syngeneic mesenchymal stem cell transplantation in MRL/lpr and (NZB/NZW)F1 mice. 2012 , 145, 142-52	47
1799	Network analysis of transcriptional responses induced by mesenchymal stem cell treatment of experimental sepsis. 2012 , 181, 1681-92	60
1798	Mesenchymal stem cells as therapeutic agents of inflammatory and autoimmune diseases. 2012 , 23, 978-83	43
1797	Mesenchymal stem cells secrete factors that inhibit inflammatory processes in short-term osteoarthritic synovium and cartilage explant culture. 2012 , 20, 1186-96	162
1796	Mesenchymal Stem Cells: Complex Players in Lung Repair and Injury. 2012 , 145-154	
1795	Mesenchymal Stem Cell Therapy: Immunomodulation and Homing Mechanisms. 2012 , 91-104	1
1794	Mesenchymal stem cell therapy and lung diseases. 2013 , 130, 105-29	20
1793	Stem Cells and Cancer Stem Cells, Volume 6. 2012 ,	2
1792	Tendon regeneration in human and equine athletes: Ubi Sumus-Quo Vadimus (where are we and where are we going to)?. 2012 , 42, 871-90	33
1791	Mesenchymal Stem Cells: Application for Immunomodulation and Tissue Repair. 2012 , 332-357	
1790	Lung injury in preterm neonates: the role and therapeutic potential of stem cells. 2012 , 17, 1013-40	21
1789	Trophic actions of bone marrow-derived mesenchymal stromal cells for muscle repair/regeneration. 2012 , 1, 832-50	23
1788	Role of Stem Cells in Neonatal Lung Injury. 2012 , 197-215	
1787	Identification of a candidate proteomic signature to discriminate multipotent and non-multipotent stromal cells. 2012 , 7, e38954	6
1786	Mesenchymal stem cells repress Th17 molecular program through the PD-1 pathway. 2012 , 7, e45272	134
1785	Novel therapeutic targets for sepsis: regulation of exaggerated inflammatory responses. 2012 , 79, 4-18	52
1784	Autologous transplantation of peripheral blood-derived circulating endothelial progenitor cells attenuates endotoxin-induced acute lung injury in rabbits by direct endothelial repair and indirect immunomodulation. 2012 , 116, 1278-87	39
1783	The Role of Mesenchymal Stem Cells in the Tumor Microenvironment. 2012 ,	

1782	Adult mesenchymal stem cell therapy for myelin repair in multiple sclerosis. 2012 , 45, 257-68	33
1781	Quantification of protein isoforms in mesenchymal stem cells by reductive dimethylation of lysines in intact proteins. 2012 , 12, 369-79	22
1780	Characterization and function of histamine receptors in human bone marrow stromal cells. 2012 , 30, 222-31	27
1779	Phenotypic and functional characterization of human bone marrow stromal cells in hollow-fibre bioreactors. 2012 , 6, 369-77	9
1778	Are therapeutic human mesenchymal stromal cells compatible with human blood?. 2012 , 30, 1565-74	212
1777	The Biology and Regenerative Potential of Stem Cells and Their Mesenchymal Progeny. 2012 , 143-160	
1776	How mesenchymal stem cells interact with tissue immune responses. 2012 , 33, 136-43	406
1775	Emerging roles for multipotent, bone marrow-derived stromal cells in host defense. 2012 , 119, 1801-9	79
1774	Multipotent mesenchymal stromal cells and the innate immune system. 2012 , 12, 383-96	649
1773	CRTH2 is a critical regulator of neutrophil migration and resistance to polymicrobial sepsis. 2012 , 188, 5655-64	31
1772	Clinical applications of mesenchymal stem cells. 2012 , 5, 19	317
1771	New insights on translational development of mesenchymal stromal cells for suppressor therapy. 2012 , 227, 3535-8	27
1770	Medical therapies with adult stem/progenitor cells (MSCs): a backward journey from dramatic results in vivo to the cellular and molecular explanations. 2012 , 113, 1460-9	82
1769	Mesenchymal stem cells and the stem cell niche: a new chapter. 2012 , 302, L1147-9	14
1768	Mesenchymal stromal cells orchestrate follicular lymphoma cell niche through the CCL2-dependent recruitment and polarization of monocytes. 2012 , 119, 2556-67	98
1767	Mitochondrial transfer from bone-marrow-derived stromal cells to pulmonary alveoli protects against acute lung injury. <i>Nature Medicine</i> , 2012 , 18, 759-65	50.5 889
1766	Harnessing the mesenchymal stem cell secretome for the treatment of cardiovascular disease. 2012 , 10, 244-58	622
1765	Same or not the same? Comparison of adipose tissue-derived versus bone marrow-derived mesenchymal stem and stromal cells. 2012 , 21, 2724-52	570

1764	Mesenchymal stem/stromal cells induce the generation of novel IL-10-dependent regulatory dendritic cells by SOCS3 activation. 2012 , 189, 1182-92	67
1763	Exploring the role of soluble factors associated with immune regulatory properties of mesenchymal stem cells. 2012 , 8, 329-42	72
1762	Perspectives on mesenchymal stem cells: tissue repair, immune modulation, and tumor homing. 2012 , 35, 201-11	45
1761	The remyelination Philosopher's Stone: stem and progenitor cell therapies for multiple sclerosis. 2012 , 349, 331-47	31
1760	Efficacy of adipose tissue-derived mesenchymal stem cells for fulminant hepatitis in mice induced by concanavalin A. 2012 , 27, 165-72	29
1759	Mesenchymal stem cells in kidney inflammation and repair. 2012 , 17, 1-10	77
1758	Stem cells and stroke: are we further away than anyone is willing to admit?. 2012 , 7, 34-5	12
1757	Enabling innovative translational research in acute kidney injury. 2012 , 5, 93-101	32
1756	Bone marrow mesenchymal stem cells attenuate lung inflammation of hyperoxic newborn rats. 2012 , 16, 589-98	46
1755	Mesenchymal stromal cells for tissue-engineered tissue and organ replacements. 2012 , 25, 369-82	25
1754	The role of immunosuppression of mesenchymal stem cells in tissue repair and tumor growth. 2012 , 2, 8	68
1753	Intra-articular delivery of adipose derived stromal cells attenuates osteoarthritis progression in an experimental rabbit model. 2013 , 15, R22	140
1752	Comparison of the therapeutic effects of human and mouse adipose-derived stem cells in a murine model of lipopolysaccharide-induced acute lung injury. 2013 , 4, 13	43
1751	MSCs: science and trials. <i>Nature Medicine</i> , 2013 , 19, 812-3	50.5 21
1750	E-type prostanoid receptor 4 (EP4) in disease and therapy. 2013 , 138, 485-502	101
1749	Mesenchymal Stem Cells - Basics and Clinical Application I. 2013 ,	
1748	Paracrine activity of multipotent mesenchymal stromal cells and its modulation in hypoxia. 2013 , 39, 315-322	5
1747	Autologous adipose tissue-derived stem cells treatment demonstrated favorable and sustainable therapeutic effect for Crohn's fistula. 2013 , 31, 2575-81	190

1746	Therapeutic effects of human mesenchymal stem cells in ex vivo human lungs injured with live bacteria. 2013 , 187, 751-60	249
1745	Comparative study of immune regulatory properties of stem cells derived from different tissues. 2013 , 22, 2990-3002	68
1744	Mesenchymal stem cells in the treatment of pediatric diseases. 2013 , 9, 197-211	16
1743	Characterization of adipose-derived stromal/stem cells from the Twitcher mouse model of Krabbe disease. 2013 , 14, 20	4
1742	Mesenchymal stem cell: does it work in an experimental model with acute respiratory distress syndrome?. 2013 , 9, 80-92	12
1741	Annual Update in Intensive Care and Emergency Medicine 2013. 2013 ,	4
1740	In vivo implanted bone marrow-derived mesenchymal stem cells trigger a cascade of cellular events leading to the formation of an ectopic bone regenerative niche. 2013 , 22, 3178-91	46
1739	Toward the use of endometrial and menstrual blood mesenchymal stem cells for cell-based therapies. 2013 , 13, 1387-400	96
1738	Human placental mesenchymal stem cells (pMSCs) play a role as immune suppressive cells by shifting macrophage differentiation from inflammatory M1 to anti-inflammatory M2 macrophages. 2013 , 9, 620-41	211
1737	Mesenchymal stem cell therapy in lung disorders: pathogenesis of lung diseases and mechanism of action of mesenchymal stem cell. 2013 , 39, 315-27	50
1736	Intraglandular transplantation of bone marrow-derived clonal mesenchymal stem cells for amelioration of post-irradiation salivary gland damage. 2013 , 49, 136-43	82
1735	Stem Cells and Healing: Impact on Inflammation. 2013 , 2, 369-378	80
1734	Mesenchymal stromal cells: sensors and switchers of inflammation. 2013 , 13, 392-402	877
1733	Human umbilical cord blood mesenchymal stem cells reduce colitis in mice by activating NOD2 signaling to COX2. 2013 , 145, 1392-403.e1-8	131
1732	The anti-inflammatory property of human bone marrow-derived mesenchymal stem/stromal cells is preserved in late-passage cultures. 2013 , 263, 55-63	7
1731	Platelets protect from septic shock by inhibiting macrophage-dependent inflammation via the cyclooxygenase 1 signalling pathway. 2013 , 4, 2657	122
1730	Concise review: adult mesenchymal stromal cell therapy for inflammatory diseases: how well are we joining the dots?. 2013 , 31, 2033-41	111
1729	Functional RIG-I-like receptors control the survival of mesenchymal stem cells. 2013 , 4, e967	25

1728	Human macrophage regulation via interaction with cardiac adipose tissue-derived mesenchymal stromal cells. 2013 , 18, 78-86	66
1727	Neurodegenerative Diseases: Integrative PPPM Approach as the Medicine of the Future. 2013 ,	3
1726	Mesenchymal stem cells transplantation ameliorates glomerular injury in streptozotocin-induced diabetic nephropathy in rats via inhibiting macrophage infiltration. 2013 , 17, 275-82	54
1725	Mesenchymal Stem Cells - Basics and Clinical Application II. 2013 ,	
1724	Anti-inflammatory and immunomodulatory mechanisms of mesenchymal stem cell transplantation in experimental traumatic brain injury. 2013 , 10, 106	259
1723	Intravenous administration of mesenchymal stem cells prevents angiotensin II-induced aortic aneurysm formation in apolipoprotein E-deficient mouse. 2013 , 11, 175	40
1722	MSCs: science and trials. <i>Nature Medicine</i> , 2013 , 19, 812	50.5 38
1721	Uncovering the secretes of mesenchymal stem cells. 2013 , 95, 2212-21	131
1720	Adipose-derived stem cells weigh in as novel therapeutics for acute lung injury. 2013 , 4, 19	5
1719	Multi-therapeutic effects of human adipose-derived mesenchymal stem cells on radiation-induced intestinal injury. 2013 , 4, e685	71
1718	Fetal membrane cells for treatment of steroid-refractory acute graft-versus-host disease. 2013 , 31, 592-601	73
1717	Cardiac stem cell therapy to modulate inflammation upon myocardial infarction. 2013 , 1830, 2449-58	72
1716	Anti-donor immune responses elicited by allogeneic mesenchymal stem cells: what have we learned so far?. 2013 , 91, 40-51	168
1715	Mesenchymal stromal cells and regulatory T cells: the Yin and Yang of peripheral tolerance?. 2013 , 91, 12-8	97
1714	Mesenchymal stem cell: keystone of the hematopoietic stem cell niche and a stepping-stone for regenerative medicine. 2013 , 31, 285-316	324
1713	Mesenchymal Stromal Cell Mechanisms of Immunomodulation and Homing. 2013 , 15-38	4
1712	Mesenchymal stem cells reprogram host macrophages to attenuate obliterative bronchiolitis in murine orthotopic tracheal transplantation. 2013 , 15, 726-34	16
1711	Mesenchymal stem cells inhibit cutaneous radiation-induced fibrosis by suppressing chronic inflammation. 2013 , 31, 2231-41	71

1710	Mesenchymal stem cells: environmentally responsive therapeutics for regenerative medicine. 2013 , 45, e54	767
1709	Alveolar macrophages are critical for the inhibition of allergic asthma by mesenchymal stromal cells. 2013 , 191, 5914-24	64
1708	Macrophage subpopulations are essential for infarct repair with and without stem cell therapy. 2013 , 62, 1890-901	176
1707	Effects of xenogeneic adipose-derived stem cell transplantation on acute-on-chronic liver failure. 2013 , 12, 60-7	21
1706	Macrophages are involved in the protective role of human umbilical cord-derived stromal cells in renal ischemia-reperfusion injury. 2013 , 10, 405-16	49
1705	Activated mesenchymal stem cells increase wound tensile strength in aged mouse model via macrophages. 2013 , 181, 20-4	29
1704	Mesenchymal stromal cells improve survival during sepsis in the absence of heme oxygenase-1: the importance of neutrophils. 2013 , 31, 397-407	119
1703	Mesenchymal stromal cells: misconceptions and evolving concepts. 2013 , 15, 140-5	91
1702	Stem Cells and Generation of New Cells in the Adult Kidney. 2013 , 959-980	
1701	MSCs and Innate Immune Responses: A Balancing Act. 2013 , 135-143	
1700	Mesenchymal stem cells and neuroregeneration in Parkinson's disease. 2013 , 247, 25-38	71
1699	Human pericytes for ischemic heart repair. 2013 , 31, 305-16	179
1698	Serum-starved adipose-derived stromal cells ameliorate crescentic GN by promoting immunoregulatory macrophages. 2013 , 24, 587-603	39
1697	Mechanisms of mesenchymal stromal cell immunomodulation. 2013 , 91, 19-26	352
1696	Differential microRNA signature of human mesenchymal stem cells from different sources reveals an "environmental-niche memory" for bone marrow stem cells. 2013 , 319, 1562-74	43
1695	Inflammatory pre-conditioning of mesenchymal multipotent stromal cells improves their immunomodulatory potency in acute pyelonephritis in rats. 2013 , 15, 679-89	14
1694	Use of mesenchymal stem cells (MSC) in chronic inflammatory fistulizing and fibrotic diseases: a comprehensive review. 2013 , 45, 180-92	86
1693	Fibroblast growth factor-1 is a mesenchymal stromal cell-secreted factor stimulating proliferation of osteoarthritic chondrocytes in co-culture. 2013 , 22, 2356-67	54

1692	Mesenchymal stem cells for systemic therapy: shotgun approach or magic bullets?. 2013 , 35, 173-82	24
1691	How stem cells speak with host immune cells in inflammatory brain diseases. 2013 , 61, 1379-401	96
1690	Chemical warfare agent and biological toxin-induced pulmonary toxicity: could stem cells provide potential therapies?. 2013 , 25, 37-62	8
1689	Immunological characterization of multipotent mesenchymal stromal cells--The International Society for Cellular Therapy (ISCT) working proposal. 2013 , 15, 1054-61	285
1688	Mesenchymal stem cells: a new trend for cell therapy. 2013 , 34, 747-54	609
1687	Mesenchymal stem cells: a revolution in therapeutic strategies of age-related diseases. 2013 , 12, 103-15	18
1686	Mesenchymal Stem Cells Characteristics, Niches, and Applications for Cell Therapy. 2013 ,	0
1685	Regulation and repair of the alveolar-capillary barrier in acute lung injury. 2013 , 75, 593-615	194
1684	Mesenchymal stem cells and idiopathic pulmonary fibrosis. Potential for clinical testing. 2013 , 188, 133-40	92
1683	Tau Pathology: A Selected View on the Current Status. 2013 , 69-92	
1682	Anti-inflammatory properties of prostaglandin E2: deletion of microsomal prostaglandin E synthase-1 exacerbates non-immune inflammatory arthritis in mice. 2013 , 89, 351-8	38
1681	Preserving prostaglandin E2 level prevents rejection of implanted allogeneic mesenchymal stem cells and restores postinfarction ventricular function. 2013 , 128, S69-78	59
1680	Perspectives of stem cell therapy in Duchenne muscular dystrophy. 2013 , 280, 4251-62	24
1679	Gene-modified mesenchymal stem cells protect against radiation-induced lung injury. 2013 , 21, 456-65	56
1678	Adipose-derived mesenchymal stromal cells induce immunomodulatory macrophages which protect from experimental colitis and sepsis. 2013 , 62, 1131-41	157
1677	Human mesenchymal stem cells inhibit endothelial proliferation and angiogenesis via cell-cell contact through modulation of the VE-Cadherin/E-catenin signaling pathway. 2013 , 22, 148-57	51
1676	12 Mesenchymal stem cells in chronic lung diseases: COPD and lung fibrosis.	1
1675	Stem cell therapy in stroke treatment: is it a viable option?. 2013 , 13, 119-21	7

1674	Stem cells and cell therapies in lung biology and diseases: conference report. 2013 , 10, S25-44	29
1673	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF- β signaling. 2013 , 84, 297-307	88
1672	[Mesenchymal stroma cells (MSCs) for the treatment of rheumatic disease]. 2013 , 138, 1852-5	0
1671	Mesenchymal stem cell therapy for cardiac inflammation: immunomodulatory properties and the influence of toll-like receptors. 2013 , 2013, 181020	73
1670	Conditioned media from adipose-tissue-derived mesenchymal stem cells downregulate degradative mediators induced by interleukin-1 β in osteoarthritic chondrocytes. 2013 , 2013, 357014	51
1669	TSG-6 produced by hMSCs delays the onset of autoimmune diabetes by suppressing Th1 development and enhancing tolerogenicity. 2013 , 62, 2048-58	103
1668	Insult-dependent effect of bone marrow cell therapy on inflammatory response in a murine model of extrapulmonary acute respiratory distress syndrome. 2013 , 4, 123	15
1667	Modulation of murine macrophage TLR7/8-mediated cytokine expression by mesenchymal stem cell-conditioned medium. 2013 , 2013, 264260	27
1666	A perspective on mesenchymal stromal cell transplantation in the treatment of sepsis. 2013 , 40, 352-7	38
1665	Emerging therapeutic strategies to prevent infection-related microvascular endothelial activation and dysfunction. 2013 , 4, 572-82	39
1664	The Regenerative Role of the Fetal and Adult Stem Cell Secretome. 2013 , 2, 302-27	46
1663	The College of Anaesthetists of Ireland Delaney Medal Competition. 2013 , 111, 855P-859P	
1662	PGE(2) induces macrophage IL-10 production and a regulatory-like phenotype via a protein kinase A-SIK-CRTC3 pathway. 2013 , 190, 565-77	155
1661	B-cell-mediated strategies to fight chronic allograft rejection. 2013 , 4, 444	10
1660	Intra-articular delivery of purified mesenchymal stem cells from C57BL/6 or MRL/MpJ superhealer mice prevents posttraumatic arthritis. 2013 , 22, 1395-408	96
1659	Immunomodulatory effects of mesenchymal stromal cells revisited in the context of inflammatory cardiomyopathy. 2013 , 2013, 353097	12
1658	Lung stem and progenitor cells. 2013 , 85, 89-95	18
1657	Mesenchymal stem cells: a promising therapy for the acute respiratory distress syndrome. 2013 , 85, 267-78	33

1656	Neural repair and neuroprotection with stem cells in ischemic stroke. 2013 , 3, 599-614	18
1655	Repeated autologous bone marrow-derived mesenchymal stem cell injections improve radiation-induced proctitis in pigs. 2013 , 2, 916-27	72
1654	Mesenchymal stem cells in acute lung injury: are they ready for translational medicine?. 2013 , 17, 927-35	27
1653	Systematic review and meta-analysis of mesenchymal stem/stromal cells therapy for impaired renal function in small animal models. 2013 , 18, 201-8	74
1652	Mesenchymal stromal cells in transplantation rejection and tolerance. 2013 , 3, a015560	69
1651	Adult stem cells for acute lung injury: remaining questions and concerns. 2013 , 18, 744-56	28
1650	Paracrine effects and heterogeneity of marrow-derived stem/progenitor cells: relevance for the treatment of respiratory diseases. 2013 , 197, 445-73	42
1649	Targeted delivery of genes to endothelial cells and cell- and gene-based therapy in pulmonary vascular diseases. 2013 , 3, 1749-79	15
1648	Interleukin-6 downregulation with mesenchymal stem cell differentiation results in loss of immunoprivilege. 2013 , 17, 1136-45	34
1647	Niemann-pick type C2 deficiency in human fibroblasts confers robust and selective activation of prostaglandin E2 biosynthesis. 2013 , 288, 23696-703	2
1646	Heart grafts tolerized through third-party multipotent adult progenitor cells can be retransplanted to secondary hosts with no immunosuppression. 2013 , 2, 595-606	41
1645	Chimerism of bone marrow mesenchymal stem/stromal cells in allogeneic hematopoietic cell transplantation: is it clinically relevant?. 2013 , 4, 78-83	15
1644	Allogeneic transplantation of fetal membrane-derived mesenchymal stem cell sheets increases neovascularization and improves cardiac function after myocardial infarction in rats. 2013 , 96, 697-706	33
1643	Concise review: two negative feedback loops place mesenchymal stem/stromal cells at the center of early regulators of inflammation. 2013 , 31, 2042-6	147
1642	Substance P reduces apoptotic cell death possibly by modulating the immune response at the early stage after spinal cord injury. 2013 , 24, 846-51	35
1641	Adoptive transfer of fibrocytes enhances splenic T-cell numbers and survival in septic peritonitis. 2013 , 40, 106-14	10
1640	Inhibition of kupffer cell activity improves transplantation of human adipose-derived stem cells and liver functions. 2013 , 22, 447-59	7
1639	Paracrine activity of stem cells in therapy for acute lung injury and adult respiratory distress syndrome. 2013 , 74, 1351-6	4

1638	Exosome: A Novel and Safer Therapeutic Refinement of Mesenchymal Stem Cell. 2013 , 1	23
1637	Immunomodulatory Properties and Therapeutic Application of Bone Marrow Derived-Mesenchymal Stem Cells. 2013 , 1,	1
1636	The therapeutic effect of human adult stem cells derived from adipose tissue in endotoxemic rat model. 2013 , 10, 8-18	53
1635	Effects of intratracheal mesenchymal stromal cell therapy during recovery and resolution after ventilator-induced lung injury. 2013 , 118, 924-32	80
1634	A new method to isolate and culture rat kupffer cells. 2013 , 8, e70832	40
1633	CD200R/CD200 inhibits osteoclastogenesis: new mechanism of osteoclast control by mesenchymal stem cells in human. 2013 , 8, e72831	28
1632	CD105 (endoglin)-negative murine mesenchymal stromal cells define a new multipotent subpopulation with distinct differentiation and immunomodulatory capacities. 2013 , 8, e76979	97
1631	Tropism of avian influenza A (H5N1) virus to mesenchymal stem cells and CD34+ hematopoietic stem cells. 2013 , 8, e81805	17
1630	Mesenchymal stem cells: promising for myocardial regeneration?. 2013 , 8, 270-7	39
1629	Acute respiratory distress syndrome: current concepts and future directions. 2013 , 41, 463-72	6
1628	Paracrine activity of stem cells in therapy for acute lung injury and adult respiratory distress syndrome. 2013 , 74, 1351-1356	
1627	Mesenchymal stem cells for the treatment of inflammatory bowel disease: from experimental models to clinical application. 2014 , 34, 184-197	2
1626	Deletion of Fgfr1 in osteoblasts enhances mobilization of EPCs into peripheral blood in a mouse endotoxemia model. 2014 , 10, 1064-71	7
1625	Secretion of immunoregulatory cytokines by mesenchymal stem cells. 2014 , 6, 552-70	361
1624	Human CD34+ progenitor cells freshly isolated from umbilical cord blood attenuate inflammatory lung injury following LPS challenge. 2014 , 9, e88814	15
1623	Pharmacokinetics of natural and engineered secreted factors delivered by mesenchymal stromal cells. 2014 , 9, e89882	23
1622	A p38 MAPK-mediated alteration of COX-2/PGE2 regulates immunomodulatory properties in human mesenchymal stem cell aging. 2014 , 9, e102426	43
1621	Wnts enhance neurotrophin-induced neuronal differentiation in adult bone-marrow-derived mesenchymal stem cells via canonical and noncanonical signaling pathways. 2014 , 9, e104937	23

1620	Interleukin 7 plays a role in T lymphocyte apoptosis inhibition driven by mesenchymal stem cell without favoring proliferation and cytokines secretion. 2014 , 9, e106673	12
1619	Infusion of bone marrow mononuclear cells reduces lung fibrosis but not inflammation in the late stages of murine silicosis. 2014 , 9, e109982	19
1618	An increase in CD3+CD4+CD25+ regulatory T cells after administration of umbilical cord-derived mesenchymal stem cells during sepsis. 2014 , 9, e110338	66
1617	Successful Reversal of Acute Lung Injury using Placenta-Derived Decidual Stromal Cells. 2014 , 04,	6
1616	Stem Cell-Based Approach to Immunomodulation. 2014 , 855-864	
1615	Multifaceted Neuro-Regenerative Activities of Human Dental Pulp Stem Cells for Functional Recovery after Spinal Cord Injury. 2014 ,	
1614	Biomimetic design of neural prostheses. 541-553	
1613	Stem cell therapies for brain disorders. 586-598	0
1612	Autophagy regulates the therapeutic potential of mesenchymal stem cells in experimental autoimmune encephalomyelitis. 2014 , 10, 1301-15	72
1611	Stem Cells. 2014 , 23-65	1
1610	Transplantation of SHED prevents bone loss in the early phase of ovariectomy-induced osteoporosis. 2014 , 93, 1124-32	39
1609	Application of human bone marrow-derived mesenchymal stem cells in the treatment of radiation-induced Gastrointestinal syndrome. 2014 , 57, 1177-82	5
1608	Gender differences in sepsis: cardiovascular and immunological aspects. 2014 , 5, 12-9	166
1607	The ability to suppress macrophage-mediated inflammation in orbital fat stem cells is controlled by miR-671-5p. 2014 , 5, 97	21
1606	Back from the brink: a mesenchymal stem cell infusion rescues kidney function in acute experimental rhabdomyolysis. 2014 , 5, 109	4
1605	Mesenchymal stem cells markedly suppress inflammatory bone destruction in rats with adjuvant-induced arthritis. 2014 , 94, 286-96	45
1604	Bone marrow-derived clonal mesenchymal stem cells inhibit ovalbumin-induced atopic dermatitis. 2014 , 5, e1345	29
1603	Chondrogenic differentiation increases antidonor immune response to allogeneic mesenchymal stem cell transplantation. 2014 , 22, 655-667	64

1602	Mesenchymal stem cells reduce cigarette smoke-induced inflammation and airflow obstruction in rats via TGF- β signaling. 2014 , 11, 582-90	15
1601	Immunobiology of mesenchymal stem cells. 2014 , 21, 216-25	506
1600	Activity of mesenchymal stem cells in therapies for chronic skin wound healing. 2014 , 10, 29-37	115
1599	CHAPTER 15:Cationic Polymers for Gene Delivery into Mesenchymal Stem Cells as a Novel Approach to Regenerative Medicine. 2014 , 386-437	
1598	Therapeutic angiogenesis by autologous adipose-derived regenerative cells: comparison with bone marrow mononuclear cells. 2014 , 307, H869-79	41
1597	Intraperitoneal infusion of mesenchymal stem/stromal cells prevents experimental autoimmune uveitis in mice. 2014 , 2014, 624640	17
1596	Advancements in stem cells treatment of skeletal muscle wasting. 2014 , 5, 48	15
1595	Mesenchymal stem cells prevent hypertrophic scar formation via inflammatory regulation when undergoing apoptosis. 2014 , 134, 2648-2657	90
1594	Immunoregulatory effects of bone marrow-derived mesenchymal stem cells in the nasal polyp microenvironment. 2014 , 2014, 583409	16
1593	Clinical applications of mesenchymal stem cells in chronic diseases. 2014 , 2014, 306573	70
1592	Radiopharmaceutical stem cell tracking for neurological diseases. 2014 , 2014, 417091	12
1591	The life and fate of mesenchymal stem cells. 2014 , 5, 148	258
1590	HCAP not busy being born is busy dying. 2014 , 189, 365-6	4
1589	Phase-directed therapy: TSG-6 targeted to early inflammation improves bleomycin-injured lungs. 2014 , 306, L120-31	45
1588	Mesenchymal stromal (stem) cell therapy: an emerging immunomodulatory strategy for the adjunctive treatment of sepsis. 2014 , 189, 363-4	4
1587	From gene variants to novel therapies. Is the prostaglandin e2 pathway in primary graft dysfunction ready for prime time?. 2014 , 189, 507-8	
1586	Multipotent stromal cells for arthritic joint pain therapy and beyond. 2014 , 4, 153-62	6
1585	Zelltherapie in der Rheumatologie: Chancen und Risiken der Therapie mit mesenchymalen Stromazellen. 2014 , 39, 405-409	

1584	Paracrine factors from mesenchymal stem cells: a proposed therapeutic tool for acute lung injury and acute respiratory distress syndrome. 2014 , 11, 114-21	20
1583	Comparisons of phenotype and immunomodulatory capacity among rhesus bone-marrow-derived mesenchymal stem/stromal cells, multipotent adult progenitor cells, and dermal fibroblasts. 2014 , 43, 231-241	13
1582	Intranasal versus intraperitoneal delivery of human umbilical cord tissue-derived cultured mesenchymal stromal cells in a murine model of neonatal lung injury. 2014 , 184, 3344-58	44
1581	Adrenaline stimulates the proliferation and migration of mesenchymal stem cells towards the LPS-induced lung injury. 2014 , 18, 1612-22	13
1580	Mesenchymal stem cells and a vitamin D receptor agonist additively suppress T helper 17 cells and the related inflammatory response in the kidney. 2014 , 307, F1412-26	13
1579	Evaluating the sensitivity and specificity of a severe sepsis tool utilized at a community hospital in Miami, FL. 2014 , 18,	78
1578	Histopathological changes in septic acute kidney injury in critically ill children: an observational analytical study of postmortem renal biopsies. 2014 , 18,	78
1577	Probiotic pretreatment improves survival and prevents gut mucosal barrier dysfunction in sepsis. 2014 , 18,	78
1576	Impact of KDO in biological activity of Re-LPS. 2014 , 18,	78
1575	Presepsis biomarker: high-density lipoprotein. 2014 , 18,	1
1574	Impact of fluid management during the three ICU days after admission in patients with ARDS. 2014 , 18,	2
1573	Early bacterial spreading and inflammatory profile in a pneumosepsis model. 2014 , 18,	78
1572	Alpha lipoic acid attenuates oxidative stress-induced damage macromolecules in the brain of rats with sepsis-associated encephalopathy. 2014 , 18,	1
1571	Sphingosine-1 phosphate promotes thymic atrophy during sepsis progression. 2014 , 18,	7
1570	Surviving Sepsis Campaign 2012 3-hour bundle in the emergency department: compliance and impact of pathway of care before and after implementation. 2014 , 18,	1
1569	Ghrelin: an anti-inflammatory therapeutic agent in septic rats. 2014 , 18,	78
1568	Mesenchymal stem cells inhibit lipopolysaccharide-induced inflammatory responses of BV2 microglial cells through TSG-6. 2014 , 11, 135	60
1567	Mesenchymal stromal cells to promote kidney transplantation tolerance. 2014 , 19, 47-53	25

1566	Crosstalk between mesenchymal stem cells and macrophages in tissue repair. 2014 , 11, 431-438	39
1565	Cell-based therapies for the acute respiratory distress syndrome. 2014 , 20, 122-31	25
1564	Mesenchymal stromal cells to prevent fibrosis in kidney transplantation. 2014 , 19, 54-9	16
1563	Emerging immunotherapies for rheumatoid arthritis. 2014 , 10, 822-37	16
1562	Lymph node fibroblastic reticular cell transplants show robust therapeutic efficacy in high-mortality murine sepsis. 2014 , 6, 249ra109	26
1561	Biobanking in the emergency department: implementation of the Mayo Clinic Emergency Department Sepsis Biorepository. 2014 , 18,	1
1560	<i>Candida albicans</i> versus <i>Mycobacterium tuberculosis</i> : infection-specific human immune responses. 2014 , 18,	78
1559	Effect of estimated glomerular filtration rate and fluid balance on clinical course and outcomes of children admitted with severe dengue. 2014 , 18,	78
1558	Comparison of serum creatinine and serum cystatin C as biomarkers to detect sepsis-induced acute kidney injury and to predict mortality in CD-1 mice. 2014 , 307, F939-48	34
1557	TLR-independent activation of NK cells during systemic inflammation. 2014 , 18,	78
1556	Role of 6-hour, 12-hour, and 24-hour lactate clearance in mortality of severe sepsis and septic shock patients. 2014 , 18,	5
1555	High frequency of myeloid-derived suppressor cells in sepsis patients, with the granulocytic subtype dominating in Gram-positive cases. 2014 , 18,	4
1554	Selective decontamination using antibiotics in ICU patients: counterfactual protection versus contextual hazard toward bacteremia incidences. 2014 , 18,	78
1553	Thalidomide exerts protective immunomodulatory action during <i>Klebsiella pneumoniae</i> B5055-induced acute lung infection in BALB/c mice. 2014 , 18,	78
1552	Impact of purulent complications and sepsis on cardiovascular system in patients with type 2 diabetes. 2014 , 18,	78
1551	Severity of sepsis in patients with acute purulent destructive pulmonary disease depending on the presence of type 2 diabetes: impact on the forecast. 2014 , 18,	78
1550	Risk factors and incidence of mediastinitis in patients with lung abscess and sepsis. 2014 , 18,	78
1549	Two novel formulae are superior to procalcitonin for prediction of sepsis in trauma patients. 2014 , 18,	2

1548	Inhibitory effects of evodiamine on zymosan-induced inflammation: inactivation of NF- κ B by inhibiting I κ B phosphorylation. 2014, 18,	78
1547	Imaging in severe sepsis and septic shock: is early radiological identification of occult sources of infection needed?. 2014, 18,	2
1546	Proinflammatory versus anti-inflammatory response in sepsis patients: looking at the cytokines. 2014, 18,	2
1545	Understanding heterogeneity in the host response to Staphylococcus aureus infection for prognostic biomarker discovery. 2014, 18,	1
1544	miR-20a-5p mediates hypoxia-induced autophagy by targeting ATG16L1 in acute kidney injury. 2014, 18,	1
1543	Benefit of achieving lactate clearance versus central venous oxygen saturation target as microcirculation end point resuscitation in severe sepsis and septic shock. 2014, 18,	78
1542	The PRESEP score: an early warning scoring system to identify septic patients in the emergency care setting. 2014, 18,	0
1541	Simultaneous targeting of interleukin-1 and interleukin-18 is required for protection against inflammatory and septic shock. 2014, 18,	78
1540	Sepsis electronic surveillance and clinical outcomes: impact over mortality of a sepsis early detection electronic rule implemented in the emergency department. 2014, 18,	78
1539	Assessing the value of a real-time electronic screening algorithm for early detection of severe sepsis in the emergency department. 2014, 18,	2
1538	Histidine-rich glycoprotein prevents septic lethality through neutrophil regulation. 2014, 18,	1
1537	Usefulness of intravenous immunoglobulin administration to sepsis-induced coagulopathy in ICU patients. 2014, 18,	78
1536	Vasoactive intestinal peptide inhibits the production of Salmonella-induced inflammatory cytokines by human monocytes. 2014, 18,	78
1535	Mortality reduction in patients with severe sepsis and septic shock through a comprehensive sepsis initiative. 2014, 18,	2
1534	Presence of bacterial infection and duration of antibiotic therapy in patients with standardized sepsis detection in the emergency department. 2014, 18,	78
1533	Clinical audit system in implementing Surviving Sepsis Campaign guidelines in patients with peritonitis. 2014, 18,	78
1532	Introduction of bundle of care and effect on surgical site infections in patients taken for elective surgical procedures. 2014, 18,	78
1531	More effective use of polymyxin-B hemoperfusion for nonoperation cases. 2014, 18,	78

1530	Sepsis modulates the human hematopoietic stem cell compartment in peripheral blood and bone marrow. 2014, 18,	1
1529	Physiological changes after fluid bolus therapy in sepsis: a systematic review of the contemporary literature. 2014, 18,	1
1528	Forty percent of hospitalizations after severe sepsis are potentially preventable. 2014, 18,	78
1527	Aryl hydrocarbon receptor activation increases survival in polymicrobial sepsis. 2014, 18,	78
1526	Epidemiology, management and clinical outcomes of ICU-acquired enterococcal bacteraemias. 2014, 18,	78
1525	Systemic inflammatory response in the pediatric emergency department: a common phenomenon that does not predict severe illness. 2014, 18,	1
1524	Effects of splenectomy and GTS-21, a selective $\alpha 7$ nicotinic acetylcholine receptor agonist, on the development of septic ileus in mice. 2014, 18,	78
1523	Defining fever: likelihood of infection diagnosis as a function of body temperature in the emergency department. 2014, 18,	5
1522	Restrictive parenteral fluid therapy in infants and children presenting with acute severe viral pneumonia in the PICU: a single-center experience. 2014, 18,	78
1521	Blood sugar variation during the first 48 hours of hospitalization for patients with sepsis was associated with in-hospital mortality. 2014, 18,	78
1520	Association of initial intracellular signalling pathway and cytokine level with early mortality in severe sepsis patients. 2014, 18,	78
1519	Sepsis and neutropenia in hematological malignancies. 2014, 18,	78
1518	Impact before and after introduction of a multifaceted quality improvement intervention on device-related infections in a pediatric ICU in India: a single-centre experience. 2014, 18,	78
1517	Diagnostic and prognostic evaluation of soluble CD14 subtype for sepsis in critically ill patients: a preliminary study. 2014, 18,	1
1516	Activation of the peroxisome proliferator activated receptor α counteracts sepsis-induced T-cell cytotoxicity towards alloantigenic target cells. 2014, 18,	78
1515	Using process mapping to identify barriers to effective management of sepsis in a cancer hospital: lessons for successful implementation of a whole hospital pathway. 2014, 18,	1
1514	Dopamine mediates vagal modulation of the immune system by electroacupuncture. 2014, 18,	1
1513	Immunomodulation and infection: identification of small molecule TLR3 blockers to combat deleterious inflammation in pneumonia. 2014, 18,	78

1512	Similarity of inflammatory response in epileptic seizures and sepsis: does the sensitivity to sepsis in epileptic patients increase?. 2014, 18,	1
1511	Early phases of sepsis: effects of simvastatin on mitochondrial enzyme activities in kidney tissue in rats. 2014, 18,	78
1510	Characterization of a murine model of septic cachexia. 2014, 18,	78
1509	Mice survival in a two-hit model of sepsis depends on intratracheal <i>P. aeruginosa</i> bacterial load. 2014, 18,	78
1508	Tyrosine metabolism disorder and the potential capability of anaerobic microbiota to decrease the value of aromatic metabolites in critically ill patients. 2014, 18,	6
1507	RADICAL study: rapid diagnosis of suspected bloodstream infections from direct blood testing using PCR/ESI-MS. 2014, 18,	3
1506	Subgroup analysis of the lipid infusion and patient outcomes in sepsis trial (LIPOS) reveals benefit in a subgroup not treated with stress replacement doses of corticosteroids. 2014, 18,	4
1505	Presence of infection in patients with presumed sepsis at the time of ICU admission. 2014, 18,	78
1504	Aetiology of community-acquired pneumonia in the ICU setting and its effect on mortality, length of mechanical ventilation and length of ICU stay: a 1-year retrospective review. 2014, 18,	2
1503	In vivo study of endothelial barrier-related GTPase expression in the kidney and liver during the acute phase of nonlethal sepsis. 2014, 18,	78
1502	Direct bacterial identification from blood culture by matrix-assisted laser desorption-ionization time of flight mass spectrometer using a simplified protocol. 2014, 18,	1
1501	Approaches combining mice and <i>Drosophila melanogaster</i> models to decipher human sepsis. 2014, 18,	78
1500	Role of nonpneumoniae mycoplasma in the pathogenesis of ventilator-associated pneumonia: an in vitro assessment. 2014, 18,	78
1499	Positive fluid balance and prognostic factors of ICU mortality in patients admitted with septic shock. 2014, 18,	78
1498	Effects of mesenchymal stromal cells on human umbilical vein endothelial cells in in vitro sepsis models. 2014, 18,	78
1497	Endotoxin Activity Assay levels correlate with the microbiological results of Gram-negative organisms in septic patients. 2014, 18,	78
1496	Early diagnosis of sepsis due to Gram-negative infection with the Endotoxin Activity Assay. 2014, 18,	78
1495	Audit of antibiotic prophylaxis at a district general hospital. 2014, 18,	1

1494	A review of therapeutic effects of mesenchymal stem cell secretions and induction of secretory modification by different culture methods. 2014 , 12, 260	34 ^o
1493	Reply: Mesenchymal stromal (stem) cell therapy: an emerging immunomodulatory strategy for the adjunctive treatment of sepsis. 2014 , 189, 364-5	5
1492	Mesenchymal stem cells ameliorate sepsis-associated acute kidney injury in mice. 2014 , 41, 123-9	74
1491	Osteogenic differentiated periodontal ligament stem cells maintain their immunomodulatory capacity. 2014 , 8, 226-32	25
1490	Bone marrow stromal cells enhance the osteogenic properties of hydroxyapatite scaffolds by modulating the foreign body reaction. 2014 , 8, 841-9	27
1489	Non-enzymatic dissociation of human mesenchymal stromal cells improves chemokine-dependent migration and maintains immunosuppressive function. 2014 , 16, 545-59	25
1488	Marrow mesenchymal stromal cells reduce methicillin-resistant <i>Staphylococcus aureus</i> infection in rat models. 2014 , 16, 56-63	31
1487	Multifaceted neuro-regenerative activities of human dental pulp stem cells for functional recovery after spinal cord injury. 2014 , 78, 16-20	58
1486	Cells of the immune system orchestrate changes in bone cell function. 2014 , 94, 98-111	22
1485	A comparison of adipose and bone marrow-derived mesenchymal stromal cell secreted factors in the treatment of systemic inflammation. 2014 , 11, 1	78
1484	MSC-based therapies in solid organ transplantation. 2014 , 8, 179-84	5
1483	Two sides of the same coin: stem cells in cancer and regenerative medicine. 2014 , 28, 2748-61	35
1482	Therapeutic potential of transgenic mesenchymal stem cells engineered to mediate anti-high mobility group box 1 activity: targeting of colon cancer. 2014 , 190, 134-43	21
1481	Biological therapies in the acute respiratory distress syndrome. 2014 , 14, 969-81	20
1480	Bronchiectasis severity: time to score. 2014 , 189, 508-9	3
1479	Mesenchymal stromal cell injection protects against oxidative stress in <i>Escherichia coli</i> -induced acute lung injury in mice. 2014 , 16, 764-75	41
1478	Thinking out of the box--new approaches to controlling GVHD. 2014 , 9, 73-84	5
1477	Enhanced medial collateral ligament healing using mesenchymal stem cells: dosage effects on cellular response and cytokine profile. 2014 , 10, 86-96	26

1476	Mesenchymal stromal (stem) cells suppress pro-inflammatory cytokine production but fail to improve survival in experimental staphylococcal toxic shock syndrome. 2014 , 15, 1	34
1475	Divergent levels of LBP and TGF β in murine MSCs lead to heterogenic response to TLR and proinflammatory cytokine activation. 2014 , 10, 376-88	12
1474	miR-335 correlates with senescence/aging in human mesenchymal stem cells and inhibits their therapeutic actions through inhibition of AP-1 activity. 2014 , 32, 2229-44	52
1473	Human mesenchymal stromal cells transiently increase cytokine production by activated T cells before suppressing T-cell proliferation: effect of interferon- β and tumor necrosis factor- α stimulation. 2014 , 16, 191-202	78
1472	Mesenchymal stem cells and cancer: friends or enemies?. 2014 , 768, 98-106	56
1471	Mesenchymal stem cell trials for pulmonary diseases. 2014 , 115, 1023-32	63
1470	Tissue-engineered cartilage with inducible and tunable immunomodulatory properties. 2014 , 35, 5921-31	79
1469	Stimulation of mesenchymal stromal cells (MSCs) via TLR3 reveals a novel mechanism of autocrine priming. 2014 , 28, 3856-66	30
1468	Cell senescence abrogates the therapeutic potential of human mesenchymal stem cells in the lethal endotoxemia model. 2014 , 32, 1865-77	119
1467	Mesenchymal stem/stromal cells inhibit the NLRP3 inflammasome by decreasing mitochondrial reactive oxygen species. 2014 , 32, 1553-63	70
1466	Harnessing Regenerative and Immunomodulatory Properties of Mesenchymal Stem Cells in Transplantation Medicine. 2014 , 163-175	1
1465	Integral role of platelet-derived growth factor in mediating transforming growth factor- β -dependent mesenchymal stem cell stiffening. 2014 , 23, 245-61	18
1464	Stem cell-based therapy for neonatal lung disease: it is in the juice. 2014 , 75, 2-7	74
1463	Pre-conditioning mesenchymal stromal cell spheroids for immunomodulatory paracrine factor secretion. 2014 , 16, 331-45	110
1462	Towards reaching the target: clinical application of mesenchymal stem cells for diabetic foot ulcers. 2014 , 17, 40-53	31
1461	Paracrine mechanisms of proliferative, anti-apoptotic and anti-inflammatory effects of mesenchymal stromal cells in models of acute organ injury. 2014 , 16, 579-85	73
1460	Septic shock: desperately seeking treatment. 2014 , 126, 31-9	29
1459	Mesenchymal stem cell therapy for immune-modulation: the donor, the recipient, and the drugs in-between. 2014 , 23, 625-8	20

1458	Tryptophan concentration is the main mediator of the capacity of adipose mesenchymal stromal cells to inhibit T-lymphocyte proliferation in vitro. 2014 , 16, 1679-91	17
1457	Prostaglandin E ₂ promotes post-infarction cardiomyocyte replenishment by endogenous stem cells. 2014 , 6, 496-503	54
1456	Endothelial FoxM1 mediates bone marrow progenitor cell-induced vascular repair and resolution of inflammation following inflammatory lung injury. 2014 , 32, 1855-64	25
1455	Mesenchymal stem cells: mechanisms of potential therapeutic benefit in ARDS and sepsis. 2014 , 2, 1016-26	147
1454	CCR7 guides migration of mesenchymal stem cell to secondary lymphoid organs: a novel approach to separate GvHD from GvL effect. 2014 , 32, 1890-903	46
1453	Plasticity of mesenchymal stem cells in immunomodulation: pathological and therapeutic implications. 2014 , 15, 1009-16	817
1452	TSG-6 as a biomarker to predict efficacy of human mesenchymal stem/progenitor cells (hMSCs) in modulating sterile inflammation in vivo. 2014 , 111, 16766-71	128
1451	Human mesenchymal stem cell microvesicles for treatment of Escherichia coli endotoxin-induced acute lung injury in mice. 2014 , 32, 116-25	438
1450	Adult Stem Cell Therapies: Alternatives to Plasticity. 2014 ,	3
1449	Human mesenchymal stem cells resolve airway inflammation, hyperreactivity, and histopathology in a mouse model of occupational asthma. 2014 , 23, 2352-63	20
1448	Bone tissue formation with human mesenchymal stem cells and biphasic calcium phosphate ceramics: the local implication of osteoclasts and macrophages. 2014 , 35, 9660-7	96
1447	Human mesenchymal stem cells reduce the severity of acute lung injury in a sheep model of bacterial pneumonia. 2014 , 69, 819-25	109
1446	Role of donor and host cells in muscle-derived stem cell-mediated bone repair: differentiation vs. paracrine effects. 2014 , 28, 3792-809	33
1445	Mesenchymal stem cell therapy promotes corneal allograft survival in rats by local and systemic immunomodulation. 2014 , 14, 2023-36	32
1444	Modulation of TNF-induced macrophage polarization by synovial fibroblasts. 2014 , 193, 2373-83	68
1443	Mouse bone marrow-derived mesenchymal stem cells induce macrophage M2 polarization through the nuclear factor- κ B and signal transducer and activator of transcription 3 pathways. 2014 , 239, 366-75	77
1442	Fractional factorial design to investigate stromal cell regulation of macrophage plasticity. 2014 , 111, 2239-51	24
1441	Animal Models for Stem Cell Therapy. 2014 ,	2

1440	Diverse macrophage populations mediate acute lung inflammation and resolution. 2014 , 306, L709-25	333
1439	Design and implementation of the START (STem cells for ARDS Treatment) trial, a phase 1/2 trial of human mesenchymal stem/stromal cells for the treatment of moderate-severe acute respiratory distress syndrome. 2014 , 4, 22	37
1438	Mesenchymal stem cells decrease splenocytes apoptosis in a sepsis experimental model. 2014 , 63, 719-28	40
1437	Efficacy and safety of mesenchymal stromal cells in preclinical models of acute lung injury: a systematic review protocol. 2014 , 3, 48	27
1436	Conditioned media from mesenchymal stromal cells restore sodium transport and preserve epithelial permeability in an in vitro model of acute alveolar injury. 2014 , 306, L975-85	83
1435	Regulation of mouse microglia activation and effector functions by bone marrow-derived mesenchymal stem cells. 2014 , 23, 2600-12	35
1434	Mesenchymal stem cell therapy and acute graft-versus-host disease: a review. 2014 , 27, 137-50	84
1433	CD45+/CD11b+ monocytes are required for mesenchymal stem cell proliferation In Vitro. 2014 , 11, 224-229	
1432	Preparation of anti-inflammatory mesenchymal stem/precursor cells (MSCs) through sphere formation using hanging-drop culture technique. 2014 , 28, Unit 2B.6.	41
1431	Aging mesenchymal stem cells fail to protect because of impaired migration and antiinflammatory response. 2014 , 189, 787-98	133
1430	The toll-like receptor 3 ligand, poly(I:C), improves immunosuppressive function and therapeutic effect of mesenchymal stem cells on sepsis via inhibiting MiR-143. 2014 , 32, 521-33	102
1429	Endothelial progenitor cells and a stromal cell-derived factor-1 β analogue synergistically improve survival in sepsis. 2014 , 189, 1509-19	56
1428	The promise and challenges of cardiac stem cell therapy. 2014 , 26, 44-52	14
1427	Use of mesenchymal stem cells for cutaneous repair and skin substitute elaboration. 2014 , 62, 108-17	25
1426	Mesenchymal stem cell therapy induces glucocorticoid synthesis in colonic mucosa and suppresses radiation-activated T cells: new insights into MSC immunomodulation. 2014 , 7, 656-69	33
1425	Mesenchymal stromal cells in the antimicrobial host response of hematopoietic stem cell recipients with graft-versus-host disease--friends or foes?. 2014 , 28, 1941-8	25
1424	Mesenchymal stem cell priming: fine-tuning adhesion and function. 2014 , 10, 587-99	50
1423	Treatment efficacy of adipose-derived stem cells in experimental osteoarthritis is driven by high synovial activation and reflected by S100A8/A9 serum levels. 2014 , 22, 1158-66	55

1422	Cell-based therapy for acute organ injury: preclinical evidence and ongoing clinical trials using mesenchymal stem cells. 2014 , 121, 1099-121	101
1421	CCR7 expressing mesenchymal stem cells potently inhibit graft-versus-host disease by spoiling the fourth supplemental Billingham's tenet. 2014 , 9, e115720	4
1420	Human amnion epithelial cells mediate lung repair by directly modulating macrophage recruitment and polarization. 2014 , 23, 319-28	87
1419	Transplantation of allogenic fetal membrane-derived mesenchymal stem cells protects against ischemia/reperfusion-induced acute kidney injury. 2014 , 23, 889-99	38
1418	Myogenic-induced mesenchymal stem cells are capable of modulating the immune response by regulatory T cells. 2014 , 5, 2041731414524758	4
1417	Effects of bone marrow-derived mononuclear cells from healthy or acute respiratory distress syndrome donors on recipient lung-injured mice. 2014 , 42, e510-24	17
1416	Mesenchymal Stromal Cell-Based Therapies for Lung Diseases and Critical Illnesses. 2015 , 399-433	
1415	Therapeutic Effects of Bone Marrow-Derived Mesenchymal Stem Cells in Models of Pulmonary and Extrapulmonary Acute Lung Injury. 2015 , 24, 2629-42	27
1414	Bone marrow-derived mesenchymal stem cells enhance autophagy via PI3K/AKT signalling to reduce the severity of ischaemia/reperfusion-induced lung injury. 2015 , 19, 2341-51	48
1413	Non-cultured dermal-derived mesenchymal cells attenuate sepsis induced by cecal ligation and puncture in mice. 2015 , 5, 16973	16
1412	Different Effects of Sheep- and Duck-Meat Supplemented Diets on Serum Cytokine Levels of Rats. 2015 , 61, 228-32	
1411	Exosomal miR-223 Contributes to Mesenchymal Stem Cell-Elicited Cardioprotection in Polymicrobial Sepsis. 2015 , 5, 13721	191
1410	Placenta-derived mesenchymal stem cells possess better immunoregulatory properties compared to their cord-derived counterparts-a paired sample study. 2015 , 5, 15784	50
1409	Mesenchymal Stem Cells Reduce Murine Atherosclerosis Development. 2015 , 5, 15559	31
1408	Systemic high-mobility group box 1 administration suppresses skin inflammation by inducing an accumulation of PDGFR(+) mesenchymal cells from bone marrow. 2015 , 5, 11008	35
1407	Combination therapy of menstrual derived mesenchymal stem cells and antibiotics ameliorates survival in sepsis. 2015 , 6, 199	82
1406	Identification of IL-1 β and LPS as optimal activators of monolayer and alginate-encapsulated mesenchymal stromal cell immunomodulation using design of experiments and statistical methods. 2015 , 31, 1058-70	18
1405	Therapeutic efficacy of human mesenchymal stromal cells in the repair of established ventilator-induced lung injury in the rat. 2015 , 122, 363-73	46

1404	Mesenchymal stromal cells for treatment of the acute respiratory distress syndrome: The beginning of the story. 2015 , 16, 320-329	2
1403	Intralesional injection of adipose-derived stem cells reduces hypertrophic scarring in a rabbit ear model. 2015 , 6, 145	77
1402	Mesenchymal stromal cells are more effective than the MSC secretome in diminishing injury and enhancing recovery following ventilator-induced lung injury. 2015 , 3, 29	52
1401	Human Wharton's Jelly-Derived Stem Cells Display Immunomodulatory Properties and Transiently Improve Rat Experimental Autoimmune Encephalomyelitis. 2015 , 24, 2077-98	60
1400	Human Amnion-Derived Stem Cells Have Immunosuppressive Properties on NK Cells and Monocytes. 2015 , 24, 2065-76	38
1399	TH17 predominant T-cell responses in radiation-induced bowel disease are modulated by treatment with adipose-derived mesenchymal stromal cells. 2015 , 237, 435-46	27
1398	Adipose Tissue-Derived Mesenchymal Stem Cells Attenuate Pulmonary Infection Caused by <i>Pseudomonas aeruginosa</i> via Inhibiting Overproduction of Prostaglandin E2. 2015 , 33, 2331-42	39
1397	The immunomodulatory function of mesenchymal stem cells: mode of action and pathways. 2015 , 1351, 114-26	123
1396	Mesenchymal stem cell therapy for acute respiratory distress syndrome: a light at the end of the tunnel?. 2015 , 122, 238-40	10
1395	Mesenchymal stem cells attenuate acute ischemia-reperfusion injury in a rat model. 2015 , 10, 2131-2137	15
1394	Endogenous prostaglandin E2 potentiates anti-inflammatory phenotype of macrophage through the CREB-C/EBP- β cascade. 2015 , 45, 2661-71	33
1393	miR-21 Modulates the Immunoregulatory Function of Bone Marrow Mesenchymal Stem Cells Through the PTEN/Akt/TGF- β Pathway. 2015 , 33, 3281-90	42
1392	Cell therapy in the treatment of bronchiolitis obliterans in a murine model. 2015 , 42, 181-8	2
1391	Multiple cues on the physiochemical, mesenchymal, and intracellular trafficking interactions with nanocarriers to maximize tumor target efficiency. 2015 , 10, 3989-4008	8
1390	The immune plasticity of mesenchymal stromal cells from mice and men: concordances and discrepancies. 2012 , 4, 824-37	17
1389	A2E Suppresses Regulatory Function of RPE Cells in Th1 Cell Differentiation Via Production of IL-1 β and Inhibition of PGE2. 2015 , 56, 7728-38	12
1388	Mesenchymal Stem Cells Their Antimicrobial Effects and Their Promising Future Role as Novel Therapies of Infectious Complications in High Risk Patients. 2015 ,	6
1387	Role of Mesenchymal Stem Cell Based Therapies in MDR/ XDR TB and Co-Morbidities. 2015 , 05,	1

1386	Mesenchymal stem cell attenuates neutrophil-predominant inflammation and acute lung injury in an in vivo rat model of ventilator-induced lung injury. 2015 , 128, 361-7	17
1385	Adult Stem Cell Therapy in Chronic Liver Diseases. 2015 , 35, 236	2
1384	Alzheimer's Disease: Mechanism and Approach to Cell Therapy. 2015 , 16, 26417-51	66
1383	Mesenchymal Stem Cell-Mediated Effects of Tumor Support or Suppression. 2015 , 16, 30015-33	126
1382	Comparing the Immunomodulatory Properties of Bone Marrow, Adipose Tissue, and Birth-Associated Tissue Mesenchymal Stromal Cells. 2015 , 6, 560	157
1381	Biomimetic extracellular matrix mediated somatic stem cell differentiation: applications in dental pulp tissue regeneration. 2015 , 6, 118	21
1380	Mesenchymal Stromal Cells Affect Disease Outcomes via Macrophage Polarization. 2015 , 2015, 989473	55
1379	Mesenchymal Stromal Cells and Viral Infection. 2015 , 2015, 860950	47
1378	Comparisons of mouse mesenchymal stem cells in primary adherent culture of compact bone fragments and whole bone marrow. 2015 , 2015, 708906	14
1377	Sepsis: From Pathophysiology to Individualized Patient Care. 2015 , 2015, 510436	39
1376	Human Bone Marrow-Derived Mesenchymal Stromal Cells Differentially Inhibit Cytokine Production by Peripheral Blood Monocytes Subpopulations and Myeloid Dendritic Cells. 2015 , 2015, 819084	20
1375	New strategies for overcoming limitations of mesenchymal stem cell-based immune modulation. 2015 , 8, 54-68	90
1374	Mesenchymal stromal cells for prevention and treatment of graft-versus-host disease: successes and hurdles. 2015 , 20, 72-8	45
1373	Mesenchymal stromal cells and the innate immune response. 2015 , 168, 140-6	155
1372	Mesenchymal stem cells and infectious diseases: Smarter than drugs. 2015 , 168, 208-14	52
1371	Interferon Gamma-treated Dental Pulp Stem Cells Promote Human Mesenchymal Stem Cell Migration In Vitro. 2015 , 41, 1259-64	21
1370	The Secretome of Hydrogel-Coembedded Endothelial Progenitor Cells and Mesenchymal Stem Cells Instructs Macrophage Polarization in Endotoxemia. 2015 , 4, 852-61	32
1369	Glucocorticoid-induced leucine zipper governs the therapeutic potential of mesenchymal stem cells by inducing a switch from pathogenic to regulatory Th17 cells in a mouse model of collagen-induced arthritis. 2015 , 67, 1514-24	30

1368	Mesenchymal stromal cell-dependent reprogramming of Kupffer cells is mediated by TNF- α and PGE2 and is crucial for liver transplant tolerance. 2015 , 62, 292-305	17
1367	Human mesenchymal stromal cells decrease the severity of acute lung injury induced by E. coli in the rat. 2015 , 70, 625-35	127
1366	Mechanisms and clinical consequences of acute lung injury. 2015 , 12 Suppl 1, S3-8	91
1365	Differential MSC activation leads to distinct mononuclear leukocyte binding mechanisms. 2014 , 4, 4565	40
1364	Therapeutic Effects of Human Mesenchymal Stem Cell-derived Microvesicles in Severe Pneumonia in Mice. 2015 , 192, 324-36	288
1363	Skin-Derived Mesenchymal Stem Cells Alleviate Atherosclerosis via Modulating Macrophage Function. 2015 , 4, 1294-301	30
1362	Study of Bone Marrow and Embryonic Stem Cell-Derived Human Mesenchymal Stem Cells for Treatment of Escherichia coli Endotoxin-Induced Acute Lung Injury in Mice. 2015 , 4, 832-40	46
1361	A discussion on adult mesenchymal stem cells for drug delivery: pros and cons. 2015 , 6, 1335-46	10
1360	Sepsis induces long-term metabolic and mitochondrial muscle stem cell dysfunction amenable by mesenchymal stem cell therapy. 2015 , 6, 10145	105
1359	MiR-30a attenuates immunosuppressive functions of IL-1 β -elicited mesenchymal stem cells via targeting TAB3. 2015 , 589, 3899-907	27
1358	High-dose ascorbate with low-dose amphotericin B attenuates severity of disease in a model of the reappearance of candidemia during sepsis in the mouse. 2015 , 309, R223-34	19
1357	Optimization of adipose tissue-derived mesenchymal stem cells by rapamycin in a murine model of acute graft-versus-host disease. 2015 , 6, 202	20
1356	Autophagy promotes apoptosis of mesenchymal stem cells under inflammatory microenvironment. 2015 , 6, 247	53
1355	The Evolution of the Stem Cell Theory for Heart Failure. 2015 , 2, 1871-9	18
1354	Mesenchymal Stem Cells. 2015 , 415-437	
1353	Exosomes and their Therapeutic Applications. 2015 , 477-501	4
1352	Overexpression of COX-2 but not indoleamine 2,3-dioxygenase-1 enhances the immunosuppressive ability of human umbilical cord-derived mesenchymal stem cells. 2015 , 35, 1309-16	12
1351	MSCs modified with ACE2 restore endothelial function following LPS challenge by inhibiting the activation of RAS. 2015 , 230, 691-701	33

1350	Mesenchymal stem (stromal) cells for treatment of ARDS: a phase 1 clinical trial. 2015 , 3, 24-32	457
1349	Culture medium from TNF- β -stimulated mesenchymal stem cells attenuates allergic conjunctivitis through multiple antiallergic mechanisms. 2015 , 136, 423-32.e8	64
1348	Pulsed focused ultrasound pretreatment improves mesenchymal stromal cell efficacy in preventing and rescuing established acute kidney injury in mice. 2015 , 33, 1241-53	41
1347	Secreted ectodomain of sialic acid-binding Ig-like lectin-9 and monocyte chemoattractant protein-1 promote recovery after rat spinal cord injury by altering macrophage polarity. 2015 , 35, 2452-64	93
1346	Murine model: maternal administration of stem cells for prevention of prematurity. 2015 , 212, 639.e1-10	21
1345	Microparticles: markers and mediators of sepsis-induced microvascular dysfunction, immunosuppression, and AKI. 2015 , 87, 1100-8	61
1344	Therapeutic properties of mesenchymal stem cells for autism spectrum disorders. 2015 , 84, 169-77	5
1343	Transplanted bone marrow-derived circulating PDGFR β cells restore type VII collagen in recessive dystrophic epidermolysis bullosa mouse skin graft. 2015 , 194, 1996-2003	52
1342	Endometrial Regenerative Cells and Exosomes Thereof for Treatment of Radiation Exposure. 2015 , 33-37	1
1341	Umbilical Cord as a Source of Immunomodulatory Reagents. 2015 , 125-140	
1340	Immunomodulatory characteristics of mesenchymal stem cells and their role in the treatment of multiple sclerosis. 2015 , 293, 113-21	80
1339	Bone marrow stromal cells as immunomodulators. A primer for dermatologists. 2015 , 77, 11-20	19
1338	Mesenchymal stem cells: a friend or foe in immune-mediated diseases. 2015 , 11, 280-7	121
1337	Phenotypical and functional characterization of bone marrow mesenchymal stem cells in patients with chronic graft-versus-host disease. 2015 , 21, 1020-8	9
1336	Mesenchymal Stromal/Stem Cell and Minocycline-Loaded Hydrogels Inhibit the Growth of Staphylococcus aureus that Evades Immunomodulation of Blood-Derived Leukocytes. 2015 , 17, 620-30	11
1335	Immunology. Getting sepsis therapy right. 2015 , 347, 1201-2	67
1334	Mesenchymal stem cell exosomes. 2015 , 40, 82-8	306
1333	Bone Marrow Mesenchymal Stem Cells Alleviate Extracellular Kynurenine Levels, as Detected by High-Performance Liquid Chromatography. 2015 , 38, 1450-7	0

1332	Mesenchymal Stem Cell Therapy for Autoimmune Disease: Risks and Rewards. 2015 , 24, 2091-100	90
1331	Acute myocardial infarction does not affect functional characteristics of adipose-derived stem cells in rats, but reduces the number of stem cells in adipose tissue. 2015 , 362, 623-32	4
1330	Stem Cell-Based Tissue Replacement After Stroke: Factual Necessity or Notorious Fiction?. 2015 , 46, 2354-63	63
1329	Developing Cellular Therapies for Stroke. 2015 , 46, 2026-31	34
1328	The potential of mesenchymal stem cells in the management of radiation enteropathy. 2015 , 6, e1840	32
1327	The endometrium as a source of mesenchymal stem cells for regenerative medicine. 2015 , 92, 138	54
1326	Stem Cell Aging: Mechanisms, Consequences, Rejuvenation. 2015 ,	
1325	Human Mesenchymal Stem (Stromal) Cells Promote the Resolution of Acute Lung Injury in Part through Lipoxin A4. 2015 , 195, 875-81	104
1324	Mesenchymal stem cells [A new hope for radiotherapy-induced tissue damage?. 2015 , 366, 133-40	73
1323	Therapeutic potential of mesenchymal stromal cells for acute respiratory distress syndrome. 2015 , 12 Suppl 1, S54-7	26
1322	Stem cell therapy for kidney disease. 2015 , 15, 1455-68	11
1321	Mesenchymal stromal cells to halt the progression of type 1 diabetes?. 2015 , 15, 46	9
1320	Post-Traumatic Arthritis. 2015 ,	3
1319	Mesenchymal stromal cells and hematopoietic stem cell transplantation. 2015 , 168, 215-21	54
1318	Three-dimensional culture of mesenchymal stem cells. 2015 , 12, 211-221	11
1317	Efficacy of immunotherapy with mesenchymal stem cells in man: a systematic review. 2015 , 11, 617-36	22
1316	Mesenchymal stem cells alleviate airway inflammation and emphysema in COPD through down-regulation of cyclooxygenase-2 via p38 and ERK MAPK pathways. 2015 , 5, 8733	97
1315	Integration of donor mesenchymal stem cell-derived neuron-like cells into host neural network after rat spinal cord transection. 2015 , 53, 184-201	65

1314	Conditioned media from adipose stromal cells limit lipopolysaccharide-induced lung injury, endothelial hyperpermeability and apoptosis. 2015 , 13, 67	21
1313	Human mesenchymal stem/stromal cells suppress spinal inflammation in mice with contribution of pituitary adenylate cyclase-activating polypeptide (PACAP). 2015 , 12, 35	25
1312	The inhibitory effect of mesenchymal stem cell on blood-brain barrier disruption following intracerebral hemorrhage in rats: contribution of TSG-6. 2015 , 12, 61	73
1311	High Local Concentrations of Intradermal MSCs Restore Skin Integrity and Facilitate Wound Healing in Dystrophic Epidermolysis Bullosa. 2015 , 23, 1368-1379	52
1310	Adipose-derived mesenchymal stromal cells modulate tendon fibroblast responses to macrophage-induced inflammation in vitro. 2015 , 6, 74	86
1309	The cell secretome, a mediator of cell-to-cell communication. 2015 , 120, 17-20	16
1308	Umbilical cord mesenchymal stem cells inhibit the differentiation of circulating T follicular helper cells in patients with primary Sjögren's syndrome through the secretion of indoleamine 2,3-dioxygenase. 2015 , 54, 332-42	30
1307	The Immunomodulatory and Therapeutic Effects of Mesenchymal Stromal Cells for Acute Lung Injury and Sepsis. 2015 , 230, 2606-17	65
1306	Immunomodulation of airway epithelium cell activation by mesenchymal stromal cells ameliorates house dust mite-induced airway inflammation in mice. 2015 , 53, 615-24	24
1305	Stem cells for murine interstitial cells of cajal suppress cellular immunity and colitis via prostaglandin E2 secretion. 2015 , 148, 978-90	23
1304	Corneal epithelial wound healing and bactericidal effect of conditioned medium from human uterine cervical stem cells. 2015 , 56, 983-92	47
1303	Stem cells for respiratory failure. 2015 , 21, 42-9	5
1302	Mesenchymal Stem Cell Therapy: Clinical Progress and Opportunities for Advancement. 2015 , 3, 1-7	6
1301	Mesenchymal stromal cell implantation for stimulation of long bone healing aggravates Staphylococcus aureus induced osteomyelitis. 2015 , 21, 165-77	29
1300	Effect of Local Anesthetics on Human Mesenchymal Stromal Cell Secretion. 2015 , 5, 1550001-1550014	7
1299	Jagged-1 is required for the expansion of CD4+ CD25+ FoxP3+ regulatory T cells and tolerogenic dendritic cells by murine mesenchymal stromal cells. 2015 , 6, 19	89
1298	Resident Endothelial Cells and Endothelial Progenitor Cells Restore Endothelial Barrier Function After Inflammatory Lung Injury. 2015 , 35, 1635-1644	13
1297	Allo-transplantation of mesenchymal stem cells attenuates hepatic injury through IL1Ra dependent macrophage switch in a mouse model of liver disease. 2015 , 63, 1405-12	50

1296	Mesenchymal stem cells use extracellular vesicles to outsource mitophagy and shuttle microRNAs. 2015 , 6, 8472	490
1295	Medicinal Chemistry Approaches to Heart Regeneration. 2015 , 58, 9451-79	17
1294	Engineered composite fascia for stem cell therapy in tissue repair applications. 2015 , 26, 1-12	21
1293	MSC Transplantation Improves Osteopenia via Epigenetic Regulation of Notch Signaling in Lupus. 2015 , 22, 606-18	147
1292	Endotoxin and AKI: Macrophages Protect after Preconditioning. 2015 , 26, 1231-2	4
1291	Mesenchymal stem cell-conditioned medium prevents radiation-induced liver injury by inhibiting inflammation and protecting sinusoidal endothelial cells. 2015 , 56, 700-8	45
1290	Bone marrow-derived mesenchymal stem cells suppress NK cell recruitment and activation in PolyI:C-induced liver injury. 2015 , 466, 173-9	20
1289	Immunomodulation by mesenchymal stem cells combats the foreign body response to cell-laden synthetic hydrogels. 2015 , 41, 79-88	91
1288	Cells and secretome--towards endogenous cell re-activation for cartilage repair. 2015 , 84, 135-45	27
1287	Anti-inflammatory/tissue repair macrophages enhance the cartilage-forming capacity of human bone marrow-derived mesenchymal stromal cells. 2015 , 230, 1258-69	27
1286	Combination therapy of mesenchymal stem cells and serelaxin effectively attenuates renal fibrosis in obstructive nephropathy. 2015 , 29, 540-53	51
1285	Clinical results and second-look arthroscopic findings after treatment with adipose-derived stem cells for knee osteoarthritis. 2015 , 23, 1308-16	157
1284	Effect of adipose tissue-derived mesenchymal stem cell treatment on oxidative stress and inflammatory response following Escherichia coli lipopolysaccharide. 2015 , 24, 343-358	3
1283	Targeting macrophage subsets for infarct repair. 2015 , 20, 36-51	59
1282	Oral Mucosal Progenitor Cells. 2015 , 297-306	0
1281	Bone Marrow Mesenchymal Stromal Cells Induce Proliferative, Cytokinic and Molecular Changes During the T Cell Response: The Importance of the IL-10/CD210 Axis. 2015 , 11, 442-52	33
1280	Substance P enhances mesenchymal stem cells-mediated immune modulation. 2015 , 71, 145-53	47
1279	Regenerative Medicine. 2015 ,	

1278	Comparison of immunological characteristics of mesenchymal stem cells derived from human embryonic stem cells and bone marrow. 2015 , 21, 616-26	35
1277	Mesenchymal stem/stromal cells protect the ocular surface by suppressing inflammation in an experimental dry eye. 2015 , 23, 139-46	60
1276	Immune Tolerance in Hemopoietic Stem Cell Transplantation. 2016 , 241-247	
1275	The Sca-1+ mesenchymal stromal cells modulate macrophage commitment and function. 2016 , 40, 473-483	4
1274	A new function of mesenchymal stem cells. 2016 , 8, 346-353	
1273	Immunomodulatory Function of Mesenchymal Stem Cells for Rheumatoid Arthritis. 2016 , 23, 279	
1272	Mesenchymal Stem Cells and Regenerative Medicine. 2016 , 275-280	1
1271	Interaction between Mesenchymal Stem Cells and B-Cells. 2016 , 17,	70
1270	[Overview and perspectives of mesenchymal stem cell therapy in intensive care medicine]. 2016 , 144, 222-31	3
1269	Updates in the pathophysiological mechanisms of Parkinson's disease: Emerging role of bone marrow mesenchymal stem cells. 2016 , 8, 106-17	9
1268	Stem Cell-Based Therapies, Remyelination, and Repair Promotion in the Treatment of Multiple Sclerosis. 2016 , 415-439	
1267	Bone Marrow Mesenchymal Stem Cells Inhibit Lipopolysaccharide-Induced Inflammatory Reactions in Macrophages and Endothelial Cells. 2016 , 2016, 2631439	9
1266	Mesenchymal Stem Cells after Polytrauma: Actor and Target. 2016 , 2016, 6289825	14
1265	Mesenchymal Stem Cells and Myeloid Derived Suppressor Cells: Common Traits in Immune Regulation. 2016 , 2016, 7121580	16
1264	Mesenchymal Stem Cells as a Prospective Therapy for the Diabetic Foot. 2016 , 2016, 4612167	20
1263	Mesenchymal Stem Cell-Based Therapy for Kidney Disease: A Review of Clinical Evidence. 2016 , 2016, 4798639	119
1262	Evaluating mesenchymal stem cell therapy for sepsis with preclinical meta-analyses prior to initiating a first-in-human trial. 2016 , 5,	56
1261	Mesenchymal Stem Cell-Educated Macrophages Ameliorate LPS-Induced Systemic Response. 2016 , 2016, 3735452	22

1260	Review of Preclinical and Clinical Studies of Bone Marrow-Derived Cell Therapies for Intracerebral Hemorrhage. 2016 , 2016, 4617983	10
1259	Update on sepsis-associated acute kidney injury: emerging targeted therapies. 2016 , 10, 149-156	11
1258	Cellular Therapy for Wounds: Applications of Mesenchymal Stem Cells in Wound Healing. 2016 ,	6
1257	Toward Development of iMesenchymal Stem Cells for Immunomodulatory Therapy. 2015 , 6, 648	51
1256	Resolution of Inflammation: What Controls Its Onset?. 2016 , 7, 160	280
1255	Lung Regeneration: Endogenous and Exogenous Stem Cell Mediated Therapeutic Approaches. 2016 , 17,	50
1254	Mesenchymal Stem and Progenitor Cells in Normal and Dysplastic Hematopoiesis-Masters of Survival and Clonality?. 2016 , 17,	31
1253	Anti-Inflammatory Mechanism of Neural Stem Cell Transplantation in Spinal Cord Injury. 2016 , 17,	47
1252	vLL-10-overexpressing human MSCs modulate naïve and activated T lymphocytes following induction of collagenase-induced osteoarthritis. 2016 , 7, 74	8
1251	Systemic Administration of Allogeneic Mesenchymal Stem Cells Does Not Halt Osteoporotic Bone Loss in Ovariectomized Rats. 2016 , 11, e0163131	11
1250	Preclinical Studies of Mesenchymal Stem Cell (MSC) Administration in Chronic Obstructive Pulmonary Disease (COPD): A Systematic Review and Meta-Analysis. 2016 , 11, e0157099	34
1249	Overexpression of Glutamate Decarboxylase in Mesenchymal Stem Cells Enhances Their Immunosuppressive Properties and Increases GABA and Nitric Oxide Levels. 2016 , 11, e0163735	8
1248	Recent insights: mesenchymal stromal/stem cell therapy for acute respiratory distress syndrome. 2016 , 5,	21
1247	Comparison of bone marrow tissue- and adipose tissue-derived mesenchymal stem cells in the treatment of sepsis in a murine model of lipopolysaccharide-induced sepsis. 2016 , 14, 3862-70	17
1246	Mesenchymal Stromal Cells Mitigate Experimental Colitis via Insulin-like Growth Factor Binding Protein 7-mediated Immunosuppression. 2016 , 24, 1860-1872	16
1245	An overlooked tumor promoting immunoregulation by non-hematopoietic stromal cells. 2016 , 176, 114-21	4
1244	Inactivated Mesenchymal Stem Cells Maintain Immunomodulatory Capacity. 2016 , 25, 1342-54	82
1243	The Immunomodulatory Potential of Mesenchymal Stromal Cells: A Story of a Regulatory Network. 2016 , 39, 45-59	60

- 1242 Human mesenchymal stem cells attenuate pulmonary hypertension induced by prenatal lipopolysaccharide treatment in rats. **2016**, 43, 906-14 9
- 1241 Bone Marrow Mesenchymal Stem Cells Suppress Acute Lung Injury Induced by Lipopolysaccharide Through Inhibiting the TLR2, 4/NF- κ B Pathway in Rats with Multiple Trauma. **2016**, 45, 641-6 16
- 1240 A Novel Therapeutic Approach Using Mesenchymal Stem Cells to Protect Against Mycobacterium abscessus. **2016**, 34, 1957-70 13
- 1239 Intravenous Transplantation of Mesenchymal Progenitors Distribute Solely to the Lungs and Improve Outcomes in Cervical Spinal Cord Injury. **2016**, 34, 1812-25 25
- 1238 Dental mesenchymal stem cells. **2016**, 143, 2273-80 173
- 1237 Mesenchymal stromal cell extracellular vesicles/exosomes. **2016**, 250-263
- 1236 The modulatory effects of mesenchymal stromal cells on the innate immune system. **2016**, 481-489
- 1235 The modulatory effects of mesenchymal stromal cells on the adaptive immune system. **2016**, 490-495
- 1234 The use of mesenchymal stromal cells in the treatment of diseases of the cornea. **2016**, 524-543
- 1233 The role of paracrine factors secreted by mesenchymal stromal cells in acute tissue injury. **2016**, 544-552
- 1232 Treatment of lung disease by mesenchymal stromal cell extracellular vesicles. **2016**, 553-572 1
- 1231 Evaluating mesenchymal stem/stromal cells for treatment of asthma and allergic rhinitis. **2016**, 573-580
- 1230 The role of mesenchymal stromal cells in the treatment of ulcerative colitis and Crohn's disease. **2016**, 730-753
- 1229 Mesenchymal stromal cells targeting kidney disease. **2016**, 754-769
- 1228 Mesenchymal stromal cells for the treatment of autoimmune diseases. **2016**, 794-813
- 1227 The role of mesenchymal stromal cells in bacterial infection. **2016**, 814-824
- 1226 PPAR γ directs the therapeutic potential of mesenchymal stem cells in arthritis. **2016**, 75, 2166-2174 33
- 1225 Mesenchymal Stem Cells: Are They the Magic Bullet for Skeletal Tissue Regeneration?. **2016**, 107-118

1224	Human umbilical cord blood-stem cells direct macrophage polarization and block inflammasome activation to alleviate rheumatoid arthritis. 2016 , 7, e2524	100
1223	Human Mesenchymal stem cells program macrophage plasticity by altering their metabolic status via a PGE-dependent mechanism. 2016 , 6, 38308	204
1222	Human mesenchymal stromal cells exert HGF dependent cytoprotective effects in a human relevant pre-clinical model of COPD. 2016 , 6, 38207	53
1221	Effects of bone marrow mesenchymal stem cells on the cardiac function and immune system of mice with endotoxemia. 2016 , 13, 5317-25	4
1220	Transcriptome sequencing wide functional analysis of human mesenchymal stem cells in response to TLR4 ligand. 2016 , 6, 30311	19
1219	The protective effects of bone marrow-derived mesenchymal stem cell (BMSC) on LPS-induced acute lung injury via TLR3-mediated IFNs, MAPK and NF- κ B signaling pathways. 2016 , 79, 176-87	19
1218	Mesenchymal Stem Cells in Cardiology. 2016 , 1416, 55-87	39
1217	Mesenchymal stem cell treatment is associated with decreased perfusate concentration of interleukin-8 during ex vivo perfusion of donor lungs after 18-hour preservation. 2016 , 35, 1245-1254	65
1216	Exosome Derived From Human Umbilical Cord Mesenchymal Stem Cell Mediates MiR-181c Attenuating Burn-induced Excessive Inflammation. 2016 , 8, 72-82	210
1215	Human amniotic fluid stem cells labeled with up-conversion nanoparticles for imaging-monitored repairing of acute lung injury. 2016 , 100, 91-100	26
1214	Cartilage tissue engineering: From biomaterials and stem cells to osteoarthritis treatments. 2016 , 59, 139-144	140
1213	Administration of bone marrow stromal cells in sepsis attenuates sepsis-related coagulopathy. 2016 , 48, 235-45	11
1212	Mesenchymal stem cells (MSCs) as skeletal therapeutics - an update. 2016 , 23, 41	45
1211	Lipopolysaccharide pretreatment promotes cardiac stem cell migration through heat shock protein 90-dependent β catenin activation. 2016 , 153, 132-40	5
1210	Mesenchymal stem cells protect from hypoxia-induced alveolar epithelial-mesenchymal transition. 2016 , 310, L439-51	18
1209	Fetal Stem Cells in Regenerative Medicine. 2016 ,	5
1208	Mechanisms of mesenchymal stem/stromal cell function. 2016 , 7, 125	411
1207	Mesenchymal stem cells promote macrophage polarization toward M2b-like cells. 2016 , 348, 36-45	23

1206	Recent Advances in Stem Cells. 2016,	1
1205	Bone mesenchymal stem cells improve pregnancy outcome by inducing maternal tolerance to the allogeneic fetus in abortion-prone matings in mouse. 2016, 47, 29-36	11
1204	Bone marrow stromal cells attenuate LPS-induced mouse acute liver injury via the prostaglandin E 2-dependent repression of the NLRP3 inflammasome in Kupffer cells. 2016, 179, 102-113	20
1203	The Matrine Derivate MASM Prolongs Survival, Attenuates Inflammation, and Reduces Organ Injury in Murine Established Lethal Sepsis. 2016, 214, 1762-1772	14
1202	Is Immunomodulation a Principal Mechanism Underlying How Cell-Based Therapies Enhance Stroke Recovery?. 2016, 13, 775-782	17
1201	Tweaking Mesenchymal Stem/Progenitor Cell Immunomodulatory Properties with Viral Vectors Delivering Cytokines. 2016, 25, 1321-41	7
1200	Prospects and progress in cell therapy for acute respiratory distress syndrome. 2016, 16, 1353-1360	22
1199	Gamma-Terpinene Modulation of LPS-Stimulated Macrophages is Dependent on the PGE2/IL-10 Axis. 2016, 82, 1341-1345	17
1198	Adipose-derived mesenchymal stromal cells modulate experimental autoimmune arthritis by inducing an early regulatory innate cell signature. 2016, 4, 213-224	20
1197	Concise Review: The Bystander Effect: Mesenchymal Stem Cell-Mediated Lung Repair. 2016, 34, 1437-44	38
1196	Mesenchymal Stromal Cells Induce Peculiar Alternatively Activated Macrophages Capable of Dampening Both Innate and Adaptive Immune Responses. 2016, 34, 1909-21	105
1195	Mitochondrial Transfer via Tunneling Nanotubes is an Important Mechanism by Which Mesenchymal Stem Cells Enhance Macrophage Phagocytosis in the In Vitro and In Vivo Models of ARDS. 2016, 34, 2210-23	266
1194	Bone-marrow-derived mesenchymal stem cells inhibit gastric aspiration lung injury and inflammation in rats. 2016, 20, 1706-17	21
1193	Safety of Intraperitoneal Injection of Adipose Tissue-Derived Autologous Mesenchymal Stem Cells in Cats. 2016, 30, 157-63	16
1192	Mesenchymal stem cells as novel micro-ribonucleic acid delivery vehicles in kidney disease. 2016, 21, 363-71	11
1191	Effects of administration of adipose-derived stromal vascular fraction and platelet-rich plasma to dogs with osteoarthritis of the hip joints. 2016, 77, 940-51	27
1190	Receptor for Advanced Glycation End Products-Mediated Signaling Impairs the Maintenance of Bone Marrow Mesenchymal Stromal Cells in Diabetic Model Mice. 2016, 25, 1721-1732	29
1189	Soluble Tumor Necrosis Factor Receptor 1 Released by Skin-Derived Mesenchymal Stem Cells Is Critical for Inhibiting Th17 Cell Differentiation. 2016, 5, 301-13	23

1188	Intravenous transplantation of mesenchymal stromal cells has therapeutic effects in a sepsis mouse model through inhibition of septic natural killer cells. 2016 , 79, 93-103	13
1187	TNF β -stimulated gene-6 (TSG6) activates macrophage phenotype transition to prevent inflammatory lung injury. 2016 , 113, E8151-E8158	84
1186	Immunomodulation by adult stem cells. 2016 , 20-49	0
1185	Stem Cells in Veterinary Medicine: A Conceptual Approach. 2016 , 257-274	
1184	Immunological barriers to regenerative medicine: do they matter?. 2016 , 497-510	
1183	Interactions Between Multipotential Stromal Cells (MSCs) and Immune Cells During Bone Healing. 2016 , 179-211	
1182	Caspase-8 regulates the expression of pro- and anti-inflammatory cytokines in human bone marrow-derived mesenchymal stromal cells. 2016 , 4, 327-37	10
1181	Therapeutic potential of adipose stem cell-derived conditioned medium against pulmonary hypertension and lung fibrosis. 2016 , 173, 2859-79	35
1180	New strategies for improving stem cell therapy in ischemic heart disease. 2016 , 21, 737-752	31
1179	Hepatocyte Growth Factor Is Required for Mesenchymal Stromal Cell Protection Against Bleomycin-Induced Pulmonary Fibrosis. 2016 , 5, 1307-1318	63
1178	Bone Marrow Mesenchymal Stem Cell-Based Engineered Cartilage Ameliorates Polyglycolic Acid/Polylactic Acid Scaffold-Induced Inflammation Through M2 Polarization of Macrophages in a Pig Model. 2016 , 5, 1079-89	54
1177	Human Mesenchymal Stem Cell-Derived Microvesicles Prevent the Rupture of Intracranial Aneurysm in Part by Suppression of Mast Cell Activation via a PGE2-Dependent Mechanism. 2016 , 34, 2943-2955	31
1176	Mechanisms and Potentials of Stem Cells in the Treatment of Multiple Sclerosis: The Unpaved Path. 2016 , 415-442	
1175	Cell Therapy for Bronchopulmonary Dysplasia: Promises and Perils. 2016 , 20, 33-41	15
1174	Recent discoveries concerning the tumor - mesenchymal stem cell interactions. 2016 , 1866, 290-299	59
1173	Immunosuppressive Properties of Mesenchymal Stem Cells. 2016 , 3, 348-357	3
1172	Stem Cell Considerations for the Clinician. 2016 , 27, 855-870	6
1171	Human mesenchymal stem cells (MSCs) for treatment towards immune- and inflammation-mediated diseases: review of current clinical trials. 2016 , 23, 76	191

1170	Mesenchymal stromal cell therapy for the treatment of intestinal ischemia: Defining the optimal cell isolate for maximum therapeutic benefit. 2016 , 18, 1457-1470	9
1169	Characterization and Therapeutic Uses of Adult Mesenchymal Stem Cells. 2016 , 288-302	
1168	History of monoclonal antibodies and lessons for the development of stem cell therapeutics. 2016 , 665-692	1
1167	Mesenchymal Stem Cells in Clinical Applications. 2016 , 37-69	5
1166	The roles of immune cells in bone healing; what we know, do not know and future perspectives. 2016 , 47, 2399-2406	47
1165	Mesenchymal stromal cell treatment prevents H9N2 avian influenza virus-induced acute lung injury in mice. 2016 , 7, 159	73
1164	Mesenchymal stromal cells in clinical kidney transplantation: how tolerant can it be?. 2016 , 21, 550-558	3
1163	Adult Mesenchymal Stem Cells and Radiation Injury. 2016 , 111, 198-203	19
1162	TGF- β -induced miR-494 inhibits macrophage polarization via suppressing PGE2 secretion in mesenchymal stem cells. 2016 , 590, 1602-13	28
1161	Could stem cells be the future therapy for sepsis?. 2016 , 30, 439-452	8
1160	Restrained Th17 response and myeloid cell infiltration into the central nervous system by human decidua-derived mesenchymal stem cells during experimental autoimmune encephalomyelitis. 2016 , 7, 43	27
1159	Will stem cells bring hope to pathological skin scar treatment?. 2016 , 18, 943-956	23
1158	Mesenchymal Stem Cells Synergize with 635, 532, and 405 nm Laser Wavelengths in Renal Fibrosis: A Pilot Study. 2016 , 34, 556-563	9
1157	E-Prostanoid 2 Receptor Overexpression Promotes Mesenchymal Stem Cell Attenuated Lung Injury. 2016 , 27, 621-30	29
1156	Osteoimmunomodulation for the development of advanced bone biomaterials. 2016 , 19, 304-321	345
1155	Therapeutic effects and mechanism of conditioned media from human mesenchymal stem cells on anti-GBM glomerulonephritis in WKY rats. 2016 , 310, F1182-91	12
1154	Mesenchymal Stromal Cells in Hematopoietic Stem Cell Transplantation. 2016 , 1416, 3-20	9
1153	Muscle regeneration after sepsis. 2016 , 20, 131	10

1152	Role of kidney injury in sepsis. 2016 , 4, 17	57
1151	Mesenchymal Stem Cell-Derived Interleukin 1 Receptor Antagonist Promotes Macrophage Polarization and Inhibits B Cell Differentiation. 2016 , 34, 483-92	140
1150	Mesenchymal Stem Cells Induce Suppressive Macrophages Through Phagocytosis in a Mouse Model of Asthma. 2016 , 34, 1836-45	102
1149	Therapeutic effects of bone marrow-derived mesenchymal stem cells on radiation-induced lung injury. 2016 , 35, 731-8	18
1148	Extrinsic and Intrinsic Mechanisms by Which Mesenchymal Stem Cells Suppress the Immune System. 2016 , 14, 121-34	41
1147	Biodistribution, migration and homing of systemically applied mesenchymal stem/stromal cells. 2016 , 7, 7	198
1146	Prospective isolation of resident adult human mesenchymal stem cell population from multiple organs. 2016 , 103, 138-44	25
1145	Cell-based strategies to reconstitute vital functions in preterm infants with organ failure. 2016 , 31, 99-111	2
1144	Broad spectrum immunomodulation using biomimetic blood cell margination for sepsis therapy. 2016 , 16, 688-99	18
1143	Autologous bone marrow stromal cell transplantation as a treatment for acute radiation enteritis induced by a moderate dose of radiation in dogs. 2016 , 171, 38-51	8
1142	Sepsis: in search of cure. 2016 , 65, 587-602	38
1141	Time-Series Expression of Toll-Like Receptor 4 Signaling in Septic Mice Treated with Mesenchymal Stem Cells. 2016 , 45, 634-40	21
1140	Detrimental cross-talk between sepsis and acute kidney injury: new pathogenic mechanisms, early biomarkers and targeted therapies. 2016 , 20, 61	79
1139	Prostaglandin E ₂ constrains systemic inflammation through an innate lymphoid cell-IL-22 axis. 2016 , 351, 1333-8	111
1138	Bronchopulmonary Dysplasia. 2016 ,	3
1137	Annual Update in Intensive Care and Emergency Medicine 2016. 2016 ,	1
1136	Antibacterial effect of mesenchymal stem cells against Escherichia coli is mediated by secretion of beta-defensin-2 via toll-like receptor 4 signalling. 2016 , 18, 424-36	97
1135	Immunomodulatory properties of mesenchymal stem cell in experimental arthritis in rat and mouse models: A systematic review. 2016 , 46, 1-19	20

1134	Mesenchymal stem cell derived secretome and extracellular vesicles for acute lung injury and other inflammatory lung diseases. 2016 , 16, 859-71	115
1133	Mitochondria in mesenchymal stem cell biology and cell therapy: From cellular differentiation to mitochondrial transfer. 2016 , 52, 119-31	90
1132	Intraluminal Injection of Mesenchymal Stromal Cells in Spheroids Attenuates Experimental Colitis. 2016 , 10, 953-64	17
1131	Mouse mesenchymal stem cells inhibit high endothelial cell activation and lymphocyte homing to lymph nodes by releasing TIMP-1. 2016 , 30, 1143-54	38
1130	Respiratory and Systemic Effects of LASSBio596 Plus Surfactant in Experimental Acute Respiratory Distress Syndrome. 2016 , 38, 821-35	8
1129	Human mesenchymal stromal cells reduce influenza A H5N1-associated acute lung injury in vitro and in vivo. 2016 , 113, 3621-6	123
1128	Therapeutic potential of mesenchymal stem cells for pulmonary complications associated with preterm birth. 2016 , 74, 18-32	11
1127	Unraveling the Mesenchymal Stromal Cells' Paracrine Immunomodulatory Effects. 2016 , 30, 37-43	102
1126	Emerging drugs for the treatment of sepsis. 2016 , 21, 27-37	16
1125	Mesenchymal stem/stromal cells precondition lung monocytes/macrophages to produce tolerance against allo- and autoimmunity in the eye. 2016 , 113, 158-63	106
1124	Protection by intraperitoneal administration of bone marrow-derived stem cells of lipopolysaccharide-induced brain and liver damage in mice. 2016 , 25, 107-118	1
1123	Human mesenchymal stem cells alter the gene profile of monocytes from patients with Type 2 diabetes and end-stage renal disease. 2016 , 11, 145-58	11
1122	Directed differentiation of airway epithelial cells of human bone marrow mesenchymal stem cells. 2016 , 44, 1654-8	2
1121	Bone disease in cystic fibrosis: new pathogenic insights opening novel therapies. 2016 , 27, 1401-1412	26
1120	Preclinical Studies of Stem Cell Transplantation in Intracerebral Hemorrhage: a Systemic Review and Meta-Analysis. 2016 , 53, 5269-77	19
1119	The Use of Mesenchymal Stromal Cells for Treating Renal Injury and Promoting Allograft Survival after Renal Transplantation. 2016 , 427-441	
1118	Macrophage Polarization and Bone Formation: A review. 2016 , 51, 79-86	97
1117	Comparability of scalable, automated hMSC culture using manual and automated process steps. 2016 , 108, 69-83	4

1116	Mesenchymal stem cells: Immunomodulatory capability and clinical potential in immune diseases. 2016 , 2, 3-20	158
1115	Stem Cells in Skin Wound Healing: Are We There Yet?. 2016 , 5, 164-175	77
1114	A novel therapy strategy for bile duct repair using tissue engineering technique: PCL/PLGA bilayered scaffold with hMSCs. 2017 , 11, 966-976	22
1113	Hepatogenic differentiation from human adipose-derived stem cells and application for mouse acute liver injury. 2017 , 45, 224-232	15
1112	Immune modulation with primed mesenchymal stem cells delivered via biodegradable scaffold to repair an Achilles tendon segmental defect. 2017 , 35, 269-280	42
1111	Comparison of Adipose-Derived and Bone Marrow Mesenchymal Stromal Cells in a Murine Model of Crohn's Disease. 2017 , 62, 115-123	26
1110	Adipose-Derived Mesenchymal Stem Cells in Autoimmune Disorders: State of the Art and Perspectives for Systemic Sclerosis. 2017 , 52, 234-259	71
1109	Multifaceted therapeutic benefits of factors derived from stem cells from human exfoliated deciduous teeth for acute liver failure in rats. 2017 , 11, 1888-1896	33
1108	IFN- β regulates human dental pulp stem cells behavior via NF- κ B and MAPK signaling. 2017 , 7, 40681	25
1107	Mesenchymal stem cell transplantation in tight-skin mice identifies miR-151-5p as a therapeutic target for systemic sclerosis. 2017 , 27, 559-577	59
1106	The influence of macrophages on mesenchymal stromal cell therapy: passive or aggressive agents?. 2017 , 188, 1-11	40
1105	Concise Review: Fat and Furious: Harnessing the Full Potential of Adipose-Derived Stromal Vascular Fraction. 2017 , 6, 1096-1108	45
1104	Exosomal miR-146a Contributes to the Enhanced Therapeutic Efficacy of Interleukin-1 β Primed Mesenchymal Stem Cells Against Sepsis. 2017 , 35, 1208-1221	236
1103	Stem cell therapy: An emerging modality in glomerular diseases. 2017 , 19, 333-348	7
1102	Concise Review: Mesenchymal Stromal Cell-Based Approaches for the Treatment of Acute Respiratory Distress and Sepsis Syndromes. 2017 , 6, 1141-1151	50
1101	Cytoprotective Self-assembled RGD Peptide Nanofilms for Surface Modification of Viable Mesenchymal Stem Cells. 2017 , 29, 2055-2065	41
1100	Guanylate-binding protein 1 (GBP1) contributes to the immunity of human mesenchymal stromal cells against <i>Toxoplasma gondii</i> . 2017 , 114, 1365-1370	40
1099	Interactions between mesenchymal stem cells and the immune system. 2017 , 74, 2345-2360	129

1098	Prostaglandin E2 Indicates Therapeutic Efficacy of Mesenchymal Stem Cells in Experimental Traumatic Brain Injury. 2017 , 35, 1416-1430	55
1097	Synergistic antibacterial effect of co-administering adipose-derived mesenchymal stromal cells and <i>Ophiophagus hannah</i> L-amino acid oxidase in a mouse model of methicillin-resistant <i>Staphylococcus aureus</i> -infected wounds. 2017 , 8, 5	8
1096	Human Placenta-Derived Mesenchymal Stromal-Like Cells Enhance Angiogenesis via T Cell-Dependent Reprogramming of Macrophage Differentiation. 2017 , 35, 1603-1613	19
1095	TSG-6 secreted by mesenchymal stem cells suppresses immune reactions influenced by BMP-2 through p38 and MEK mitogen-activated protein kinase pathway. 2017 , 368, 551-561	13
1094	Effect of mesenchymal stem cells on induced skeletal muscle chemodeneration atrophy in adult male albino rats. 2017 , 85, 135-148	2
1093	Pro-inflammatory M1 macrophages promote Osteogenesis by mesenchymal stem cells via the COX-2-prostaglandin E2 pathway. 2017 , 35, 2378-2385	85
1092	Adipose stromal cells mediated switching of the pro-inflammatory profile of M1-like macrophages is facilitated by PGE2: in vitro evaluation. 2017 , 25, 1161-1171	72
1091	Hepatocyte growth factor secreted by bone marrow stem cell reduce ER stress and improves repair in alveolar epithelial II cells. 2017 , 7, 41901	22
1090	Long Non-Coding RNA MALAT1 Promotes Proliferation, Angiogenesis, and Immunosuppressive Properties of Mesenchymal Stem Cells by Inducing VEGF and IDO. 2017 , 118, 2780-2791	67
1089	Biomechanical Forces Promote Immune Regulatory Function of Bone Marrow Mesenchymal Stromal Cells. 2017 , 35, 1259-1272	32
1088	Human Mesenchymal Stem Cell-Educated Macrophages Are a Distinct High IL-6-Producing Subset that Confer Protection in Graft-versus-Host-Disease and Radiation Injury Models. 2017 , 23, 897-905	36
1087	Evaluation of Immunomodulatory Properties of Feline Mesenchymal Stem Cells. 2017 , 26, 776-785	13
1086	Bone marrow mesenchymal stromal cells induce nitric oxide synthase-dependent differentiation of CD11b cells that expedite hematopoietic recovery. 2017 , 102, 818-825	12
1085	Substance P enhances proliferation and paracrine potential of adipose-derived stem cells in vitro. 2017 , 485, 131-137	7
1084	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
1083	Mesenchymal stem cells cannot affect mRNA expression of toll-like receptors in different tissues during sepsis. 2017 , 66, 547-551	3
1082	Human Umbilical Cord Mesenchymal Stromal Cells Improve Survival and Bacterial Clearance in Neonatal Sepsis in Rats. 2017 , 26, 1054-1064	27
1081	Intravenous mesenchymal stromal cell therapy for inflammatory bowel disease: Lessons from the acute graft versus host disease experience. 2017 , 19, 655-667	9

1080	The immunopathology of sepsis and potential therapeutic targets. 2017 , 17, 407-420	671
1079	Harnessing the early post-injury inflammatory responses for cardiac regeneration. 2017 , 24, 7	27
1078	Trophic Effects of Mesenchymal Stem Cells in Tissue Regeneration. 2017 , 23, 515-528	142
1077	Bone Marrow Stromal Cells Combined With Sodium Ferulate and -Butylidenephthalide Promote the Effect of Therapeutic Angiogenesis via Advancing Astrocyte-Derived Trophic Factors After Ischemic Stroke. 2017 , 26, 229-242	13
1076	SCRG1 suppresses LPS-induced CCL22 production through ERK1/2 activation in mouse macrophage Raw264.7 cells. 2017 , 15, 4069-4076	6
1075	A novel paradigm links mitochondrial dysfunction with muscle stem cell impairment in sepsis. 2017 , 1863, 2546-2553	11
1074	Protective Effect of Mesenchymal Stem Cells Against the Development of Intracranial Aneurysm Rupture in Mice. 2017 , 81, 1021-1028	16
1073	Stem Cells and Their Immunomodulatory Potential for the Treatment of ARDS. 2017 , 273-290	
1072	Acute Respiratory Distress Syndrome. 2017 ,	0
1071	Macrophages. 2017 ,	5
1070	Mesenchymal Stem Cells Direct the Immunological Fate of Macrophages. 2017 , 62, 61-72	26
1069	Pancreas, Kidney and Skin Regeneration. 2017 ,	1
1068	Mesenchymal Stromal Cells Modulate Macrophages in Clinically Relevant Lung Injury Models by Extracellular Vesicle Mitochondrial Transfer. 2017 , 196, 1275-1286	322
1067	Cryopreserved, Xeno-Free Human Umbilical Cord Mesenchymal Stromal Cells Reduce Lung Injury Severity and Bacterial Burden in Rodent Escherichia coli-Induced Acute Respiratory Distress Syndrome. 2017 , 45, e202-e212	55
1066	Cell-based secondary prevention of childbirth-induced pelvic floor trauma. 2017 , 14, 373-385	12
1065	Mesenchymal Stem Cell Microvesicles Attenuate Acute Lung Injury in Mice Partly Mediated by Ang-1 mRNA. 2017 , 35, 1849-1859	104
1064	Mesenchymal Stem/Stromal Cells for Sepsis. 2017 , 41-51	
1063	CD54-Mediated Interaction with Pro-inflammatory Macrophages Increases the Immunosuppressive Function of Human Mesenchymal Stromal Cells. 2017 , 8, 961-976	51

1062	Annual Update in Intensive Care and Emergency Medicine 2017. 2017,	
1061	Mesenchymal stem cells-derived MFG-E8 accelerates diabetic cutaneous wound healing. 2017, 86, 187-197	22
1060	Stem cell transplantation therapy for multifaceted therapeutic benefits after stroke. 2017, 157, 49-78	86
1059	Dermal Fibroblasts Promote Alternative Macrophage Activation Improving Impaired Wound Healing. 2017, 137, 941-950	25
1058	Liver, Lung and Heart Regeneration. 2017,	
1057	Regenerative Potential of Mesenchymal Stem Cells: Therapeutic Applications in Lung Disorders. 2017, 77-117	1
1056	Therapeutic Effects of Human Umbilical Cord-Derived Mesenchymal Stem Cells in Acute Lung Injury Mice. 2017, 7, 39889	55
1055	G-CSF-induced sympathetic tone provokes fever and primes antimobilizing functions of neutrophils via PGE2. 2017, 129, 587-597	32
1054	Mesenchymal stem cells in the aseptic loosening of total joint replacements. 2017, 105, 1195-1207	27
1053	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Provide Long-Term Survival After Total Body Irradiation Without Additional Hematopoietic Stem Cell Support. 2017, 35, 2379-2389	35
1052	Hypoxia Impairs Mesenchymal Stromal Cell-Induced Macrophage M1 to M2 Transition. 2017, 5, 81-86	13
1051	Stem cells and heart disease - Brake or accelerator?. 2017, 120, 2-24	25
1050	Improvement of portal venous pressure in cirrhotic rat livers by systemic treatment with adipose tissue-derived mesenchymal stromal cells. 2017, 19, 1462-1473	11
1049	Incorporating Refractory Period in Mechanical Stimulation Mitigates Obesity-Induced Adipose Tissue Dysfunction in Adult Mice. 2017, 25, 1745-1753	14
1048	The effect of Trimetazidine and Diazoxide on immunomodulatory activity of human embryonic stem cell-derived mesenchymal stem cell secretome. 2017, 49, 597-602	6
1047	Stem Cell Therapy in Duchenne Muscular Dystrophy. 2017, 297-317	
1046	Inflammation fires up cancer metastasis. 2017, 47, 170-176	46
1045	Concise Review: Mesenchymal Stromal/Stem Cells: A New Treatment for Sepsis and Septic Shock?. 2017, 35, 2331-2339	44

1044	Bone regeneration with micro/nano hybrid-structured biphasic calcium phosphate bioceramics at segmental bone defect and the induced immunoregulation of MSCs. 2017 , 147, 133-144	103
1043	In vivo immune interactions of multipotent stromal cells underlie their long-lasting pain-relieving effect. 2017 , 7, 10107	21
1042	Activated Mesenchymal Stem Cells Interact with Antibiotics and Host Innate Immune Responses to Control Chronic Bacterial Infections. 2017 , 7, 9575	66
1041	Bone marrow mesenchymal stem cells ameliorate lung injury through anti-inflammatory and antibacterial effect in COPD mice. 2017 , 37, 496-504	7
1040	Stem Cell-based Therapies for Sepsis. 2017 , 127, 1017-1034	34
1039	Umbilical cord-derived mesenchymal stem cell extracts reduce colitis in mice by re-polarizing intestinal macrophages. 2017 , 7, 9412	46
1038	Reply: Mechanical Isolation of Stromal Vascular Fraction: A New Advance in Stem Cell Therapy?. 2017 , 139, 573e-574e	
1037	Mechanically Isolated Stromal Vascular Fraction Provides a Valid and Useful Collagenase-Free Alternative Technique: A Comparative Study. 2017 , 139, 572e-573e	
1036	Mesenchymal stem cell-derived factors: Immuno-modulatory effects and therapeutic potential. 2017 , 43, 633-644	83
1035	Production and Administration of Therapeutic Mesenchymal Stem/Stromal Cell (MSC) Spheroids Primed in 3-D Cultures Under Xeno-free Conditions. 2017 ,	15
1034	Establishment of NF- κ B sensing and interleukin-4 secreting mesenchymal stromal cells as an "on-demand" drug delivery system to modulate inflammation. 2017 , 19, 1025-1034	33
1033	Bone marrow-derived mesenchymal stem cells propagate immunosuppressive/anti-inflammatory macrophages in cell-to-cell contact-independent and -dependent manners under hypoxic culture. 2017 , 358, 411-420	28
1032	Is macrophage polarization important in rheumatoid arthritis?. 2017 , 50, 345-352	57
1031	Effect of Mesenchymal Stromal Cells on T Cells in a Septic Context: Immunosuppression or Immunostimulation?. 2017 , 26, 1477-1489	12
1030	Immunomodulatory effects of soluble factors secreted by feline adipose tissue-derived mesenchymal stem cells. 2017 , 191, 22-29	15
1029	Amelogenin induces M2 macrophage polarisation via PGE2/cAMP signalling pathway. 2017 , 83, 241-251	9
1028	BMSCs ameliorate septic coagulopathy by suppressing inflammation in cecal ligation and puncture-induced sepsis. 2018 , 131,	8
1027	ENaCs as Both Effectors and Regulators of MiRNAs in Lung Epithelial Development and Regeneration. 2017 , 44, 1120-1132	13

1026	Apoptosis in mesenchymal stromal cells induces in vivo recipient-mediated immunomodulation. 2017, 9,	319
1025	The effects of conditioned media generated by polarized macrophages on the cellular behaviours of bone marrow mesenchymal stem cells. 2018, 22, 1302-1315	28
1024	Extracellular Vesicle Transfer from Mesenchymal Stromal Cells Modulates Macrophage Function in Acute Lung Injury. Basic Science and Clinical Implications. 2017, 196, 1234-1236	13
1023	Fibrous scaffolds potentiate the paracrine function of mesenchymal stem cells: A new dimension in cell-material interaction. 2017, 141, 74-85	126
1022	Focal adhesion kinase signaling regulates anti-inflammatory function of bone marrow mesenchymal stromal cells induced by biomechanical force. 2017, 38, 1-9	11
1021	Data against a Common Assumption: Xenogeneic Mouse Models Can Be Used to Assay Suppression of Immunity by Human MSCs. 2017, 25, 1748-1756	17
1020	Human adipose-derived mesenchymal stem cells alleviate obliterative bronchiolitis in a murine model via IDO. 2017, 18, 119	12
1019	Adipose-derived mesenchymal stem cells modulate CD14CD16 expression on monocytes from sepsis patients in vitro via prostaglandin E2. 2017, 8, 97	20
1018	Cytokine treatment optimises the immunotherapeutic effects of umbilical cord-derived MSC for treatment of inflammatory liver disease. 2017, 8, 140	53
1017	Influences of age-related changes in mesenchymal stem cells on macrophages during in-vitro culture. 2017, 8, 153	33
1016	Tumour-associated mesenchymal stem/stromal cells: emerging therapeutic targets. 2017, 16, 35-52	236
1015	Mesenchymal stem cells: The roles and functions in cutaneous wound healing and tumor growth. 2017, 86, 83-89	68
1014	DJ-1/PARK7 Impairs Bacterial Clearance in Sepsis. 2017, 195, 889-905	46
1013	Immunological Challenges Facing Translation of Alginate Encapsulated Porcine Islet Xenotransplantation to Human Clinical Trials. 2017, 1479, 305-333	30
1012	Advances in Stem Cell Therapy. 2017,	3
1011	Stem Cell Based Biotherapy for Radiation Related Injury. 2017, 357-385	
1010	Functional significance of exosomes applied in sepsis: A novel approach to therapy. 2017, 1863, 292-297	24
1009	Pluripotent Nontumorigenic Adipose Tissue-Derived Muse Cells have Immunomodulatory Capacity Mediated by Transforming Growth Factor- β . 2017, 6, 161-173	34

1008	Enhanced Immunosuppression of T Cells by Sustained Presentation of Bioactive Interferon- γ Within Three-Dimensional Mesenchymal Stem Cell Constructs. 2017 , 6, 223-237	44
1007	Enhancement of wound closure by modifying dual release patterns of stromal-derived cell factor-1 and a macrophage recruitment agent from gelatin hydrogels. 2017 , 11, 2999-3013	14
1006	Mesenchymal stem cells moderate immune response of type 1 diabetes. 2017 , 368, 239-248	14
1005	Human amnion favours tissue repair by inducing the M1-to-M2 switch and enhancing M2 macrophage features. 2017 , 11, 2895-2911	66
1004	MSC exosome as a cell-free MSC therapy for cartilage regeneration: Implications for osteoarthritis treatment. 2017 , 67, 56-64	234
1003	Concise Review: Mesenchymal Stem (Stromal) Cells: Biology and Preclinical Evidence for Therapeutic Potential for Organ Dysfunction Following Trauma or Sepsis. 2017 , 35, 316-324	91
1002	Review article: mesenchymal stromal cell therapy for inflammatory bowel diseases. 2017 , 45, 205-221	48
1001	Multimodal Delivery of Isogenic Mesenchymal Stem Cells Yields Synergistic Protection from Retinal Degeneration and Vision Loss. 2017 , 6, 444-457	15
1000	Skin-resident stem cells and wound healing. 2017 , 40, 1-11	6
999	Mesenchymal stromal cell-derived extracellular vesicles attenuate lung ischemia-reperfusion injury and enhance reconditioning of donor lungs after circulatory death. 2017 , 18, 212	80
998	In-vitro characterization of canine multipotent stromal cells isolated from synovium, bone marrow, and adipose tissue: a donor-matched comparative study. 2017 , 8, 218	41
997	Mesenchymal Stromal Cells: Clinical Experience, Challenges, and Future Directions. 2017 , 309-334	1
996	MSC Recruitment From Distant and Local Tissues in Homeostasis and Tissue Remodeling. 2017 , 155-167	
995	Mesenchymal stem cells in idiopathic pulmonary fibrosis. 2017 , 8, 102600-102616	38
994	Mesenchymal Stem/Stromal Cells as Biological Factories. 2017 , 121-154	1
993	Mesenchymal Stem Cell Secretome: Toward Cell-Free Therapeutic Strategies in Regenerative Medicine. 2017 , 18,	501
992	Can Youthful Mesenchymal Stem Cells from Wharton's Jelly Bring a Breath of Fresh Air for COPD?. 2017 , 18,	7
991	Culture of Naïve Human Bone Marrow Mesenchymal Stem Cells: A Stemness Based Approach. 2017 , 5, 69	26

990	Trauma and Stem Cells: Biology and Potential Therapeutic Implications. 2017 , 18,	15
989	Antimicrobial Activity of Mesenchymal Stem Cells: Current Status and New Perspectives of Antimicrobial Peptide-Based Therapies. 2017 , 8, 339	127
988	Alveolar Fluid Clearance in Pathologically Relevant Conditions: and Models of Acute Respiratory Distress Syndrome. 2017 , 8, 371	33
987	Inflammatory Conditions Dictate the Effect of Mesenchymal Stem or Stromal Cells on B Cell Function. 2017 , 8, 1042	67
986	Polysaccharide Hydrogels Support the Long-Term Viability of Encapsulated Human Mesenchymal Stem Cells and Their Ability to Secrete Immunomodulatory Factors. 2017 , 2017, 9303598	12
985	The Immunomodulatory Effects of Mesenchymal Stem Cell Polarization within the Tumor Microenvironment Niche. 2017 , 2017, 4015039	42
984	Crosstalk with Inflammatory Macrophages Shapes the Regulatory Properties of Multipotent Adult Progenitor Cells. 2017 , 2017, 2353240	3
983	Enhancement of Anti-Inflammatory and Osteogenic Abilities of Mesenchymal Stem Cells via Cell-to-Cell Adhesion to Periodontal Ligament-Derived Fibroblasts. 2017 , 2017, 3296498	7
982	Sepsis-associated Acute Kidney Injury. 2017 ,	
981	Collagen scaffold enhances the regenerative properties of mesenchymal stromal cells. 2017 , 12, e0187348	38
980	Hypoxia-preconditioned mesenchymal stem cells ameliorate ischemia/reperfusion-induced lung injury. 2017 , 12, e0187637	38
979	Surfactant effects on the viability and function of human mesenchymal stem cells: in vitro and in vivo assessment. 2017 , 8, 180	15
978	Preconditioning of murine mesenchymal stem cells synergistically enhanced immunomodulation and osteogenesis. 2017 , 8, 277	52
977	Mesenchymal stem cells decrease lung inflammation during sepsis, acting through inhibition of the MAPK pathway. 2017 , 8, 289	29
976	Therapeutic Purposes and Risks of Ex Vivo Expanded Mesenchymal Stem/Stromal Cells. 2017 , 551-587	1
975	On the origin of myeloid-derived suppressor cells. 2017 , 8, 3649-3665	109
974	Analysis of Mitochondrial Transfer in Direct Co-cultures of Human Monocyte-derived Macrophages (MDM) and Mesenchymal Stem Cells (MSC). 2017 , 7,	32
973	The Immune Response to the Allograft. 2017 , 235-246	

972	Study of mesenchymal stem cells cultured on a poly(lactic-co-glycolic acid) scaffold containing simvastatin for bone healing. 2017 , 15, e133-e141	18
971	Effects of the essential oil of <i>Alpinia zerumbet</i> (Pers.) B.L. Burtt & R.M. Sm. on healing and tissue repair after partial Achilles tenotomy in rats. 2017 , 32, 449-458	3
970	Crosstalk between mesenchymal stem cells and macrophages in inflammatory bowel disease and associated colorectal cancer. 2017 , 21, 91-97	13
969	Cell therapy for the treatment of sepsis and acute respiratory distress syndrome. 2017 , 5, 446	21
968	Human adipose tissue-derived mesenchymal stem cells alleviate atopic dermatitis via regulation of B lymphocyte maturation. 2017 , 8, 512-522	35
967	Clinical potential of mesenchymal stem/stromal cell-derived extracellular vesicles. 2017 , 4, 84	85
966	Immunomodulatory oligonucleotide IMT504: Effects on mesenchymal stem cells as a first-in-class immunoprotective/immunoregenerative therapy. 2017 , 9, 45-67	6
965	The Role of the Immune Cells in Fracture Healing. 2018 , 16, 138-145	85
964	Anti-inflammatory roles of mesenchymal stromal cells during acute <i>Streptococcus pneumoniae</i> pulmonary infection in mice. 2018 , 20, 302-313	21
963	Marrow Adiposity and Hematopoiesis in Aging and Obesity: Exercise as an Intervention. 2018 , 16, 105-115	13
962	Embryonic Stem Cell-Derived Mesenchymal Stem Cells (MSCs) Have a Superior Neuroprotective Capacity Over Fetal MSCs in the Hypoxic-Ischemic Mouse Brain. 2018 , 7, 439-449	42
961	Innate immune responses to trauma. 2018 , 19, 327-341	208
960	Mesenchymal Stem Cells on Horizon: A New Arsenal of Therapeutic Agents. 2018 , 14, 484-499	55
959	Interleukin-1 receptor antagonist-mediated neuroprotection by umbilical cord-derived mesenchymal stromal cells following transplantation into a rodent stroke model. 2018 , 50, 1-12	11
958	Design and Applications of Cell-Selective Surfaces and Interfaces. 2018 , 19, 1746-1763	23
957	Mesenchymal Stem Cells (MSC) Derived from Induced Pluripotent Stem Cells (iPSC) Equivalent to Adipose-Derived MSC in Promoting Intestinal Healing and Microbiome Normalization in Mouse Inflammatory Bowel Disease Model. 2018 , 7, 456-467	64
956	Therapeutic strategies involving uterine stem cells in reproductive medicine. 2018 , 30, 209-216	22
955	Co-culture of human bone marrow mesenchymal stem cells and macrophages attenuates lipopolysaccharide-induced inflammation in human corneal epithelial cells. 2018 , 82, 800-809	3

954	Mesenchymal-myeloid interaction in the regulation of immunity. 2018 , 35, 59-68	26
953	The TLR4-PAR1 Axis Regulates Bone Marrow Mesenchymal Stromal Cell Survival and Therapeutic Capacity in Experimental Bacterial Pneumonia. 2018 , 36, 796-806	15
952	Effect of bone marrow mesenchymal stem cells on the polarization of macrophages. 2018 , 17, 4449-4459	23
951	Immunomodulation By Therapeutic Mesenchymal Stromal Cells (MSC) Is Triggered Through Phagocytosis of MSC By Monocytic Cells. 2018 , 36, 602-615	231
950	Cellular therapies and stem cell applications in trauma. 2018 , 215, 963-972	6
949	Mesenchymal Stem Cells Recruit CCR2 Monocytes To Suppress Allergic Airway Inflammation. 2018 , 200, 1261-1269	32
948	The biological changes of umbilical cord mesenchymal stem cells in inflammatory environment induced by different cytokines. 2018 , 446, 171-184	14
947	Novel click modifiable thioquinazolinones as anti-inflammatory agents: Design, synthesis, biological evaluation and docking study. 2018 , 144, 635-650	36
946	Coordinating Thermogel for Stem Cell Spheroids and Their Cyto-Effectiveness. 2018 , 28, 1706286	19
945	Human Multilineage-differentiating Stress-Enduring Cells Exert Pleiotropic Effects to Ameliorate Acute Lung Ischemia-Reperfusion Injury in a Rat Model. 2018 , 27, 979-993	19
944	Cardiomyocyte differentiation of mesenchymal stem cells from bone marrow: new regulators and its implications. 2018 , 9, 44	53
943	Endometrial Mesenchymal Stem/Stromal Cells Modulate the Macrophage Response to Implanted Polyamide/Gelatin Composite Mesh in Immunocompromised and Immunocompetent Mice. 2018 , 8, 6554	26
942	Tissue Engineering in Osteoarthritis: Current Status and Prospect of Mesenchymal Stem Cell Therapy. 2018 , 32, 183-192	32
941	The Role of Interplay of Mesenchymal Stromal Cells and Macrophages in Physiological and Reparative Tissue Remodeling. 2018 , 44, 102-114	4
940	Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. 2018 , 51,	30
939	The role of secreted factors in stem cells-mediated immune regulation. 2018 , 326, 24-32	60
938	Dental pulp stem cells and the management of neurological diseases: An update. 2018 , 96, 265-272	8
937	Potential Synergistic Effects of Stem Cells and Extracellular Matrix Scaffolds. 2018 , 4, 1208-1222	15

936	Mesenchymal stem cell-mediated immunomodulation in cell therapy of neurodegenerative diseases. 2018 , 326, 8-14	25
935	Mesenchymal Stromal Cell Therapy for Solid Organ Transplantation. 2018 , 102, 35-43	41
934	Cellular Immunotherapy for Septic Shock. A Phase I Clinical Trial. 2018 , 197, 337-347	79
933	The promise of mesenchymal stem cell therapy for acute respiratory distress syndrome. 2018 , 84, 183-191	28
932	Are We Right to Consider Mesenchymal Stem Cells to Be a New Perspective for Patients with Juvenile Idiopathic Arthritis?. 2018 , 66, 267-271	
931	Advances in mesenchymal stromal cell therapy in the management of Crohn's disease. 2018 , 12, 141-153	14
930	Tissue regeneration: The crosstalk between mesenchymal stem cells and immune response. 2018 , 326, 86-93	47
929	Intratracheal instillation of alveolar type II cells enhances recovery from acute lung injury in rats. 2018 , 37, 782-791	18
928	Bone Marrow Mesenchymal Stem Cells Combat Lipopolysaccharide-Induced Sepsis in Rats via Amendment of P38-MAPK Signaling Cascade. 2018 , 41, 541-554	6
927	Systemic recovery and therapeutic effects of transplanted allogenic and xenogenic mesenchymal stromal cells in a rat blunt chest trauma model. 2018 , 20, 218-231	6
926	Clinical Translation of Mesenchymal Stromal Cell Therapies in Nephrology. 2018 , 29, 362-375	39
925	Secretome Conveys the Protective Effects of ASCs: Therapeutic Potential Following Hemorrhagic Shock?. 2018 , 50, 442-448	2
924	Immunomodulation of Human Mesenchymal Stem/Stromal Cells in Intervertebral Disc Degeneration: Insights From a Proinflammatory/Degenerative Ex Vivo Model. 2018 , 43, E673-E682	34
923	Study the effects of mesenchymal stem cell conditioned medium injection in mouse model of acute colitis. 2018 , 54, 86-94	34
922	The Role of TNF- α -Induced MSCs on Suppressive Inflammation by Increasing TGF- β and IL-10. 2018 , 6, 1779-1783	53
921	Molecular Mechanisms Responsible for Anti-inflammatory and Immunosuppressive Effects of Mesenchymal Stem Cell-Derived Factors. 2019 , 1084, 187-206	41
920	Cell therapy in acute respiratory distress syndrome. 2018 , 10, 5607-5620	34
919	Mesenchymal Stromal Cells: Role in the BM Niche and in the Support of Hematopoietic Stem Cell Transplantation. 2018 , 2, e151	26

918	The Therapeutic Potential of Stem Cells for Bronchopulmonary Dysplasia: "It's About Time" or "Not so Fast" ?. 2018 , 14, 227-238	15
917	Clinical-grade mesenchymal stem cells derived from umbilical cord improve septic shock in pigs. 2018 , 6, 24	15
916	Basic and clinical research progress in acute lung injury/acute respiratory distress syndrome. 2018 , 7, 38-43	5
915	Therapeutic potential of products derived from mesenchymal stem/stromal cells in pulmonary disease. 2018 , 19, 218	60
914	Upregulated TSG-6 Expression in ADSCs Inhibits the BV2 Microglia-Mediated Inflammatory Response. 2018 , 2018, 7239181	11
913	NF-KappaB Pathway Is Involved in Bone Marrow Stromal Cell-Produced Pain Relief. 2018 , 12, 49	9
912	Biologics for Rotator Cuff Repair: A Critical Analysis Review. 2018 , 6, e8	6
911	Adjuvant role of macrophages in stem cell-induced cardiac repair in rats. 2018 , 50, 1-10	10
910	Stem cell therapy for faecal incontinence: Current state and future perspectives. 2018 , 10, 82-105	15
909	Prostaglandin E hydrogel improves cutaneous wound healing via M2 macrophages polarization. 2018 , 8, 5348-5361	71
908	Mesenchymal Stromal Cell Secretome: Influencing Therapeutic Potential by Cellular Pre-conditioning. 2018 , 9, 2837	203
907	Therapeutic Potential of Autologous Adipose-Derived Stem Cells for the Treatment of Liver Disease. 2018 , 19,	17
906	BMSCs pre-treatment ameliorates inflammation-related tissue destruction in LPS-induced rat DIC model. 2018 , 9, 1024	6
905	The therapeutic potential of bone marrow mesenchymal stem cells in premature ovarian failure. 2018 , 9, 263	53
904	Use of Stem Cells in Wound Healing. 2018 , 7, 278-286	4
903	Preconditioning Enhances the Therapeutic Effects of Mesenchymal Stem Cells on Colitis Through PGE2-Mediated T-Cell Modulation. 2018 , 27, 1352-1367	33
902	Serum-Free Medium Enhances the Immunosuppressive and Antifibrotic Abilities of Mesenchymal Stem Cells Utilized in Experimental Renal Fibrosis. 2018 , 7, 893-905	22
901	Sepsis Therapies: Insights from Population Health to Cellular Therapies and Genomic Medicine. 2018 , 198, 1570-1572	

890	Ibuprofen supports macrophage differentiation, T cell recruitment, and tumor suppression in a model of postpartum breast cancer. 2018 , 6, 98	27
899	Immunomodulatory function of mesenchymal stem cells: regulation and application. 2018 , 4, 1-3	9
898	Prostaglandin E Receptor 2 Modulates Macrophage Activity for Cardiac Repair. 2018 , 7, e009216	11
897	Immunogenic potential of human bone marrow mesenchymal stromal cells is enhanced by hyperthermia. 2018 , 20, 1437-1444	9
896	Safety of Autologous Cord Blood Cells for Preterms: A Descriptive Study. 2018 , 2018, 5268057	15
895	Post-operative immune suppression is mediated via reversible, Interleukin-10 dependent pathways in circulating monocytes following major abdominal surgery. 2018 , 13, e0203795	12
894	Accelerate Healing of Severe Burn Wounds by Mouse Bone Marrow Mesenchymal Stem Cell-Seeded Biodegradable Hydrogel Scaffold Synthesized from Arginine-Based Poly(ester amide) and Chitosan. 2018 , 27, 1605-1620	27
893	Mesenchymal stromal cell potency to treat acute kidney injury increased by ultrasound-activated interferon- γ /Interleukin-10 axis. 2018 , 22, 6015-6025	19
892	Early immune response regulated by a bone marrow mesenchymal stem cell model of multiple trauma in rats. 2018 , 10, 1053-1064	1
891	Adult Stem Cell Treatment for Rheumatoid Arthritis. 2018 , 25, 158	1
890	Mesenchymal stem cells alleviate experimental autoimmune cholangitis through immunosuppression and cytoprotective function mediated by galectin-9. 2018 , 9, 237	20
889	Genetic contribution to mesenchymal stem cell dysfunction in systemic lupus erythematosus. 2018 , 9, 149	20
888	Fra-2 Expression in Osteoblasts Regulates Systemic Inflammation and Lung Injury through Osteopontin. 2018 , 38,	9
887	Stromal Immunology. 2018 ,	2
886	Mesenchymal Stem Cells as Endogenous Regulators of Inflammation. 2018 , 1060, 73-98	21
885	Toll-Like Receptors: The Key of Immunotherapy in MSCs. 2018 ,	4
884	Umbilical cord-derived mesenchymal stem (stromal) cells for treatment of severe sepsis: aphase 1 clinical trial. 2018 , 199, 52-61	23
883	Stem Cell Therapies for Wound Healing. 2018 , 301-314	0

882	IPSC-MSC inhibition assessment in Raw 264.7 cells following oxygen and glucose deprivation reveals a distinct function for cardiopulmonary resuscitation. 2018 , 17, 8212-8220	2
881	Mesenchymal Stromal Cells: Clinical Challenges and Therapeutic Opportunities. 2018 , 22, 824-833	735
880	Evaluation of toll-like receptor 4 expression in human bone marrow mesenchymal stem cells by lipopolysaccharides from Shigella. 2018 , 55, 53-58	
879	Mesenchymal Stem Cell-Based Immunomodulation: Properties and Clinical Application. 2018 , 2018, 3057624	236
878	Mesenchymal Stromal Cells and Cutaneous Wound Healing: A Comprehensive Review of the Background, Role, and Therapeutic Potential. 2018 , 2018, 6901983	91
877	Response of vascular mesenchymal stem/progenitor cells to hyperlipidemia. 2018 , 75, 4079-4091	8
876	A Novel Mechanism of Mesenchymal Stromal Cell-Mediated Protection against Sepsis: Restricting Inflammasome Activation in Macrophages by Increasing Mitophagy and Decreasing Mitochondrial ROS. 2018 , 2018, 3537609	33
875	Expression profile of microRNAs following bone marrow-derived mesenchymal stem cell treatment in lipopolysaccharide-induced acute lung injury. 2018 , 15, 5495-5502	14
874	Mesenchymal stromal cell-derived extracellular vesicles: regenerative and immunomodulatory effects and potential applications in sepsis. 2018 , 374, 1-15	71
873	Heterogeneous Functions of Perinatal Mesenchymal Stromal Cells Require a Preselection Before Their Banking for Clinical Use. 2018 , 117-129	
872	The combination of mannitol and temozolomide increases the effectiveness of stem cell treatment in a chronic stroke model. 2018 , 20, 820-829	12
871	Anti-inflammatory effects of human embryonic stem cell-derived mesenchymal stem cells secretome preconditioned with diazoxide, trimetazidine and MG-132 on LPS-induced systemic inflammation mouse model. 2018 , 46, 1178-1187	6
870	Antenatal prevention of cerebral palsy and childhood disability: is the impossible possible?. 2018 , 596, 5593-5609	8
869	Therapeutic effects of adipose-tissue-derived mesenchymal stromal cells and their extracellular vesicles in experimental silicosis. 2018 , 19, 104	28
868	Stem cell- and gene-based therapies as potential candidates in Alzheimer's therapy. 2018 , 119, 8723-8736	11
867	Negative regulation of cationic nanoparticle-induced inflammatory toxicity through the increased production of prostaglandin E2 via mitochondrial DNA-activated Ly6C monocytes. 2018 , 8, 3138-3152	18
866	NFB sensing IL-4 secreting mesenchymal stem cells mitigate the proinflammatory response of macrophages exposed to polyethylene wear particles. 2018 , 106, 2744-2752	22
865	Past, Present and Future of Cell-Based Therapy in Progressive Multiple Sclerosis. 2018 , 87-132	

864	Transplanted interleukin-4--secreting mesenchymal stromal cells show extended survival and increased bone mineral density in the murine femur. 2018 , 20, 1028-1036	17
863	Can a Conversation Between Mesenchymal Stromal Cells and Macrophages Solve the Crisis in the Inflamed Intestine?. 2018 , 9, 179	25
862	The Role of Macrophages in Acute and Chronic Wound Healing and Interventions to Promote Pro-wound Healing Phenotypes. 2018 , 9, 419	403
861	Upregulation of microRNA-351 exerts protective effects during sepsis by ameliorating skeletal muscle wasting through the Tead-4-mediated blockade of the Hippo signaling pathway. 2018 , 32, fj2018001515R	
860	Umbilical Cord Mesenchymal Stem Cell Treatment for Crohn's Disease: A Randomized Controlled Clinical Trial. 2018 , 12, 73-78	78
859	Mesenchymal Stromal Cell Preconditioning: The Next Step Toward a Customized Treatment For Severe Burn. 2018 , 27, 1385-1405	9
858	Intravenous Infusion of Human Adipose Mesenchymal Stem Cells Modifies the Host Response to Lipopolysaccharide in Humans: A Randomized, Single-Blind, Parallel Group, Placebo Controlled Trial. 2018 , 36, 1778-1788	50
857	Mesenchymal Stromal Cells. 2018 , 1559-1567	0
856	Mesenchymal Stromal Cells and Their Extracellular Vesicles Enhance the Anti-Inflammatory Phenotype of Regulatory Macrophages by Downregulating the Production of Interleukin (IL)-23 and IL-22. 2018 , 9, 771	50
855	IL17/IL17RA as a Novel Signaling Axis Driving Mesenchymal Stem Cell Therapeutic Function in Experimental Autoimmune Encephalomyelitis. 2018 , 9, 802	14
854	Critical Role of Alternative M2 Skewing in miR-155 Deletion-Mediated Protection of Colitis. 2018 , 9, 904	19
853	Restoring T Cell Homeostasis After Allogeneic Stem Cell Transplantation; Principal Limitations and Future Challenges. 2018 , 9, 1237	11
852	Approaches in Immunotherapy, Regenerative Medicine, and Bioengineering for Type 1 Diabetes. 2018 , 9, 1354	14
851	Stabilization of Hypoxia-Inducible Factor-1 Alpha Augments the Therapeutic Capacity of Bone Marrow-Derived Mesenchymal Stem Cells in Experimental Pneumonia. 2018 , 5, 131	8
850	Mesenchymal Stem Cells for the Treatment of Idiopathic Pulmonary Fibrosis. 2018 , 5, 142	39
849	Dose-Dependent Effect of Intravenous Administration of Human Umbilical Cord-Derived Mesenchymal Stem Cells in Neonatal Stroke Mice. 2018 , 9, 133	33
848	Micro-fragmented fat injection reduces sepsis-induced acute inflammatory response in a mouse model. 2018 , 121, 1249-1259	9
847	New Paradigms in Cell Therapy: Repeated Dosing, Intravenous Delivery, Immunomodulatory Actions, and New Cell Types. 2018 , 123, 138-158	67

846	Mesenchymal Stromal Cells Stimulate the Proliferation and IL-22 Production of Group 3 Innate Lymphoid Cells. 2018 , 201, 1165-1173	21
845	Intermedin protects against sepsis by concurrently re-establishing the endothelial barrier and alleviating inflammatory responses. 2018 , 9, 2644	23
844	Human umbilical cord-derived mesenchymal stem cells direct macrophage polarization to alleviate pancreatic islets dysfunction in type 2 diabetic mice. 2018 , 9, 760	40
843	Role of Stem Cells in Pathophysiology and Therapy of Spondyloarthropathies-New Therapeutic Possibilities?. 2017 , 19,	9
842	Recent Updates on Treatment of Ocular Microbial Infections by Stem Cell Therapy: A Review. 2018 , 19,	8
841	Peripheral Blood Mononuclear Cells and Growth Factor Therapy for Cerebral Palsy. 2018 , 33, e176	
840	Impact of bone marrow mesenchymal stem cell immunomodulation on the osteogenic effects of laponite. 2018 , 9, 100	32
839	Curcumin-mediated bone marrow mesenchymal stem cell sheets create a favorable immune microenvironment for adult full-thickness cutaneous wound healing. 2018 , 9, 21	27
838	Mesenchymal stem cell-derived extracellular vesicles attenuate influenza virus-induced acute lung injury in a pig model. 2018 , 9, 17	180
837	Therapeutic Delivery Specifications Identified Through Compartmental Analysis of a Mesenchymal Stromal Cell-Immune Reaction. 2018 , 8, 6816	9
836	Human Mesenchymal Stromal Cell Sheets Induce Macrophages Predominantly to an Anti-Inflammatory Phenotype. 2018 , 27, 922-934	12
835	Stem Cell Therapy in Heart Diseases - Cell Types, Mechanisms and Improvement Strategies. 2018 , 48, 2607-2655	108
834	Gold nanoparticles attenuates bacterial sepsis in cecal ligation and puncture mouse model through the induction of M2 macrophage polarization. 2018 , 18, 85	41
833	Modulating Innate Inflammatory Reactions in the Application of Orthopedic Biomaterials. 2018 , 199-218	1
832	Stem cell therapies for chronic obstructive pulmonary disease: current status of pre-clinical studies and clinical trials. 2018 , 10, 1084-1098	36
831	Continuing Challenges in Advancing Preclinical Science in Skeletal Cell-Based Therapies and Tissue Regeneration. 2018 , 33, 1721-1728	5
830	Mesenchymal Stem Cells Modified with Heme Oxygenase-1 Have Enhanced Paracrine Function and Attenuate Lipopolysaccharide-Induced Inflammatory and Oxidative Damage in Pulmonary Microvascular Endothelial Cells. 2018 , 49, 101-122	30
829	Critical Role of Tumor Necrosis Factor Signaling in Mesenchymal Stem Cell-Based Therapy for Autoimmune and Inflammatory Diseases. 2018 , 9, 1658	47

828	Gilz-Activin A as a Novel Signaling Axis Orchestrating Mesenchymal Stem Cell and Th17 Cell Interplay. 2018 , 8, 846-859	6
827	Immunomodulatory effects of mesenchymal stem cells on leukocytes with emphasis on neutrophils. 2018 , 223, 786-791	18
826	Clinical Application of Stem Cells in Liver Diseases: From Bench to Bedside. 2018 , 317-346	
825	Mesenchymal Stromal Cell (MSC)-Derived Combination of CXCL5 and Anti-CCL24 Is Synergistic and Superior to MSC and Cyclosporine for the Treatment of Graft-versus-Host Disease. 2018 , 24, 1971-1980	7
824	Immunoregulatory mechanisms of mesenchymal stem and stromal cells in inflammatory diseases. 2018 , 14, 493-507	369
823	Lactobacillus rhamnosus GG increases cyclooxygenase-2 expression and prostaglandin E2 secretion in colonic myofibroblasts via a MyD88-dependent mechanism during homeostasis. 2018 , 20, e12871	9
822	Therapeutic effects of human mesenchymal stem cell microvesicles in an ex vivo perfused human lung injured with severe pneumonia. 2019 , 74, 43-50	108
821	Adipose mesenchymal stromal cells: Definition, immunomodulatory properties, mechanical isolation and interest for plastic surgery. 2019 , 64, 1-10	19
820	Stem Cells for Traumatic Brain Injury. 2019 , 369-389	2
819	Harnessing CXCL12 signaling to protect and preserve functional β cell mass and for cell replacement in type 1 diabetes. 2019 , 193, 63-74	8
818	Long-term reprogramming of the innate immune system. 2019 , 105, 329-338	77
817	The Role of Mesenchymal Stem Cells in Radiation-Induced Lung Fibrosis. 2019 , 20,	39
816	Mesenchymal stem cells promote type 2 macrophage polarization to ameliorate the myocardial injury caused by diabetic cardiomyopathy. 2019 , 17, 251	34
815	Human placenta-derived mesenchymal stem cells ameliorate orbital adipogenesis in female mice models of Graves' ophthalmopathy. 2019 , 10, 246	9
814	Tissue Engineering and Regenerative Medicine. 2019 ,	
813	Mesenchymal Stem Cells Exhibit Both a Proinflammatory and Anti-Inflammatory Effect on Saccular Aneurysm Formation in a Rabbit Model. 2019 , 2019, 3618217	8
812	Mesenchymal stromal cell-derived nanovesicles ameliorate bacterial outer membrane vesicle-induced sepsis via IL-10. 2019 , 10, 231	40
811	Increased immunomodulatory capacity of human amniotic cells after activation by pro-inflammatory chemokines. 2019 , 859, 172545	11

810	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. 2019 , 116, 15392-15397	73
809	Induced pluripotent stem cell-derived endothelial cells attenuate lipopolysaccharide-induced acute lung injury. 2019 , 127, 444-456	4
808	S1P-S1PR1 Signaling: the "Sphinx" in Osteoimmunology. 2019 , 10, 1409	21
807	Mesenchymal Stromal Cells Anno 2019: Dawn of the Therapeutic Era? Concise Review. 2019 , 8, 1126-1134	74
806	The Immunomodulatory Potential of Wharton's Jelly Mesenchymal Stem/Stromal Cells. 2019 , 2019, 3548917	20
805	The Immunomodulatory Functions of Mesenchymal Stromal/Stem Cells Mediated via Paracrine Activity. 2019 , 8,	111
804	Bone marrow vs Wharton's jelly mesenchymal stem cells in experimental sepsis: a comparative study. 2019 , 10, 192	24
803	Advances in Stem Cell Research in Sepsis. 2019 , 305-330	
802	Mesenchymal stem cell-based bioengineered constructs: foreign body response, cross-talk with macrophages and impact of biomaterial design strategies for pelvic floor disorders. 2019 , 9, 20180089	34
801	Numerical research on thermal performance of water-flow window as hospital curtain-wall. 2019 , 111, 01059	2
800	Multipotent Stromal Cells in a Tumor Microenvironment. 2019 ,	
799	Mesenchymal stem cell-derived conditioned medium attenuate angiotensin II-induced aortic aneurysm growth by modulating macrophage polarization. 2019 , 23, 8233-8245	17
798	The Complement System Is Essential for the Phagocytosis of Mesenchymal Stromal Cells by Monocytes. 2019 , 10, 2249	21
797	Immunomodulatory Functions of Mesenchymal Stem Cells in Tissue Engineering. 2019 , 2019, 9671206	43
796	A Promising Future for Stem-Cell-Based Therapies in Muscular Dystrophies-In Vitro and In Vivo Treatments to Boost Cellular Engraftment. 2019 , 20,	4
795	Effect of Preconditioned Mesenchymal Stromal Cells on Early Microvascular Disturbance in a Mouse Sepsis Model. 2019 , 28, 1595-1606	6
794	Therapeutic Properties of Mesenchymal Stem Cell on Organ Ischemia-Reperfusion Injury. 2019 , 20,	15
793	Secretome and Extracellular Vesicles as New Biological Therapies for Knee Osteoarthritis: A Systematic Review. 2019 , 8,	36

792	The Effects of Hypoxia on the Immune-Modulatory Properties of Bone Marrow-Derived Mesenchymal Stromal Cells. 2019 , 2019, 2509606	7
791	Insights Into Mechanisms of Tumor and Immune System Interaction: Association With Wound Healing. 2019 , 9, 1115	10
790	Perinatal Mesenchymal Stromal Cells and Their Possible Contribution to Fetal-Maternal Tolerance. 2019 , 8,	9
789	Targeting the Immune System With Mesenchymal Stromal Cell-Derived Extracellular Vesicles: What Is the Cargo's Mechanism of Action?. 2019 , 7, 308	23
788	Anti-inflammatory and vasculogenic conditioning of peripheral blood mononuclear cells reinforces their therapeutic potential for radiation-injured salivary glands. 2019 , 10, 304	8
787	Human amnion mesenchymal stem cells attenuate atherosclerosis by modulating macrophage function to reduce immune response. 2019 , 44, 1425-1435	9
786	Eicosapentaenoic acid potentiates the therapeutic effects of adipose tissue-derived mesenchymal stromal cells on lung and distal organ injury in experimental sepsis. 2019 , 10, 264	15
785	Mesenchymal Stem Cell-Derived Extracellular Vesicles Decrease Lung Injury in Mice. 2019 , 203, 1961-1972	52
784	Tuberculosis Host-Pathogen Interactions. 2019 ,	
783	Preconditioning of Rat Bone Marrow-Derived Mesenchymal Stromal Cells with Toll-Like Receptor Agonists. 2019 , 2019, 7692973	2
782	Research Status of Mesenchymal Stem Cells in Liver Transplantation. 2019 , 28, 1490-1506	7
781	Mesenchymal Stem Cells Alleviate DHEA-Induced Polycystic Ovary Syndrome (PCOS) by Inhibiting Inflammation in Mice. 2019 , 2019, 9782373	20
780	Role of tissue factor in the procoagulant and antibacterial effects of human adipose-derived mesenchymal stem cells during pneumosepsis in mice. 2019 , 10, 286	9
779	Prostaglandin regulation of T cell biology. 2019 , 149, 104456	5
778	Mitigation of radiation-induced gastro-intestinal injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. 2019 , 9, 14134	8
777	Decorin Secreted by Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells Induces Macrophage Polarization via CD44 to Repair Hyperoxic Lung Injury. 2019 , 20,	15
776	Improvement of Mesenchymal Stem Cell Immunomodulatory Properties by Heat-Killed via TLR2. 2018 , 11, 489	7
775	The therapeutic application of mesenchymal stem cells at the ocular surface. 2019 , 17, 198-207	14

774	Manufacturing of primed mesenchymal stromal cells for therapy. 2019 , 3, 90-104	126
773	Intrathecal transplantation of Wharton's jelly mesenchymal stem cells suppresses the NLRP1 inflammasome in the rat model of spinal cord injury. 2019 , 97, 1-8	15
772	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
771	Perspective on Intra-articular Injection Cell Therapy for Osteoarthritis Treatment. 2019 , 16, 357-363	13
770	Umbilical Cord Blood Mesenchymal Stem Cells Enhance Lipopolysaccharide-Induced IL-10 and IL-37 Production in THP-1 Cells. 2019 , 42, 987-993	4
769	Multifunctional bipyramid-Au@ZnO core-shell nanoparticles as a cathode buffer layer for efficient non-fullerene inverted polymer solar cells with improved near-infrared photoresponse. 2019 , 7, 2667-2676	18
768	Severe Trauma and Sepsis. 2019 ,	
767	Adipose-derived mesenchymal stem cells ameliorate acute liver injury in rat model of CLP induced-sepsis via sTNFR1. 2019 , 383, 111465	17
766	Polyunsaturated fatty acids modify the extracellular vesicle membranes and increase the production of proresolving lipid mediators of human mesenchymal stromal cells. 2019 , 1864, 1350-1362	11
765	Perspectives of the International Society for Cell & Gene Therapy Gastrointestinal Scientific Committee on the Intravenous Use of Mesenchymal Stromal Cells in Inflammatory Bowel Disease (PeMeGi). 2019 , 21, 824-839	10
764	Mesenchymal stem cell therapy for the treatment of traumatic brain injury: progress and prospects. 2019 , 30, 839-855	30
763	The Necrobiology of Mesenchymal Stromal Cells Affects Therapeutic Efficacy. 2019 , 10, 1228	39
762	Gas6 Attenuates Sepsis-Induced Tight Junction Injury and Vascular Endothelial Hyperpermeability the Axl/NF- κ B Signaling Pathway. 2019 , 10, 662	14
761	Nitrogen-doped carbon nanocages and human umbilical cord mesenchymal stem cells cooperatively inhibit neuroinflammation and protect against ischemic stroke. 2019 , 708, 134346	4
760	Dissecting the Pharmacodynamics and Pharmacokinetics of MSCs to Overcome Limitations in Their Clinical Translation. 2019 , 14, 1-15	22
759	Mesenchymal Stem Cells Reconditioned in Their Own Serum Exhibit Augmented Therapeutic Properties in the Setting of Acute Respiratory Distress Syndrome. 2019 , 8, 1092-1106	17
758	Combination of G-CSF and AMD3100 Improves the Anti-inflammatory Effect of Mesenchymal Stem Cells on Inducing M2 Polarization of Macrophages Through NF- κ B-IL1RA Signaling Pathway. 2019 , 10, 579	10
757	p16-expressing mesenchymal stromal cells restore the senescence-clearance-regeneration sequence that is impaired in chronic muscle inflammation. 2019 , 44, 86-97	9

756	Stem Cell-Based Therapies for Acute Lung Injury and Acute Respiratory Distress Syndrome. 2019 , 331-343	
755	Engineering stem cell cardiac patch with microvascular features representative of native myocardium. 2019 , 9, 2143-2157	26
754	Adipose-Derived Stromal Cells Are Capable of Restoring Bone Regeneration After Post-Traumatic Osteomyelitis and Modulate B-Cell Response. 2019 , 8, 1084-1091	11
753	Mesenchymal Stem Cell-Based Therapy of Inflammatory Lung Diseases: Current Understanding and Future Perspectives. 2019 , 2019, 4236973	92
752	Stem Cells and Tissue Engineering. 2019 , 181-201	1
751	World-Wide Efficacy of Bone Marrow Derived Mesenchymal Stromal Cells in Preclinical Ischemic Stroke Models: Systematic Review and Meta-Analysis. 2019 , 10, 405	17
750	Immunomodulation by Mesenchymal Stem Cells (MSCs): Mechanisms of Action of Living, Apoptotic, and Dead MSCs. 2019 , 10, 1191	246
749	TNF- α -1 β licensed mesenchymal stromal cells promote corneal allograft survival myeloid cell-mediated induction of Foxp3 regulatory T cells in the lung. 2019 , 33, 9404-9421	20
748	Mesenchymal Stem Cells Modulate the Immune System in Developing Therapeutic Interventions. 2019 ,	13
747	Clinical Assessment of Intravenous Endothelial Progenitor Cell Transplantation in Dogs. 2019 , 28, 943-954	6
746	Hippo Signaling Controls NLR Family Pyrin Domain Containing 3 Activation and Governs Immunoregulation of Mesenchymal Stem Cells in Mouse Liver Injury. 2019 , 70, 1714-1731	53
745	Convergence of Cell Pharmacology and Drug Delivery. 2019 , 8, 874-879	10
744	Mesenchymal stem cell therapy for the treatment of inflammatory diseases: Challenges, opportunities, and future perspectives. 2019 , 98, 151041	98
743	Newly Defined ATP-Binding Cassette Subfamily B Member 5 Positive Dermal Mesenchymal Stem Cells Promote Healing of Chronic Iron-Overload Wounds via Secretion of Interleukin-1 Receptor Antagonist. 2019 , 37, 1057-1074	19
742	Mussel-Inspired Nanostructures Potentiate the Immunomodulatory Properties and Angiogenesis of Mesenchymal Stem Cells. 2019 , 11, 17134-17146	29
741	Pathogenesis of Acute Respiratory Distress Syndrome. 2019 , 40, 31-39	123
740	Treating Titanium Particle-Induced Inflammation with Genetically Modified NF- κ B Sensing IL-4 Secreting or Preconditioned Mesenchymal Stem Cells in Vitro. 2019 , 5, 3032-3038	3
739	Mesenchymal Stem Cells Improve Rheumatoid Arthritis Progression by Controlling Memory T Cell Response. 2019 , 10, 798	40

738	Human Adipose-Derived Mesenchymal Stem Cells Modify Lung Immunity and Improve Antibacterial Defense in Pneumosepsis Caused by <i>Klebsiella pneumoniae</i> . 2019 , 8, 785-796	15
737	Success in Academic Surgery: Basic Science. 2019 ,	0
736	Mesenchymal stem cells: From regeneration to cancer. 2019 , 200, 42-54	40
735	Extracellular vesicles in lung health, disease, and therapy. 2019 , 316, L977-L989	23
734	Single cell-derived clonally expanded mesenchymal progenitor cells from somatic cell nuclear transfer-derived pluripotent stem cells ameliorate the endometrial function in the uterus of a murine model with Asherman's syndrome. 2019 , 52, e12597	12
733	Mysm1 epigenetically regulates the immunomodulatory function of adipose-derived stem cells in part by targeting miR-150. 2019 , 23, 3737-3746	7
732	Current understanding of the immunosuppressive properties of mesenchymal stromal cells. 2019 , 97, 605-618	41
731	Comparison of adipose- and bone marrow-derived stem cells in protecting against ox-LDL-induced inflammation in M1-macrophage-derived foam cells. 2019 , 19, 2660-2670	8
730	Gut Leakage of Fungal-Derived Inflammatory Mediators: Part of a Gut-Liver-Kidney Axis in Bacterial Sepsis. 2019 , 64, 2416-2428	38
729	Skin tissue engineering: wound healing based on stem-cell-based therapeutic strategies. 2019 , 10, 111	110
728	Stem Cell-Derived Extracellular Vesicles as Immunomodulatory Therapeutics. 2019 , 2019, 5126156	72
727	Injectable osteogenic microtissues containing mesenchymal stromal cells conformally fill and repair critical-size defects. 2019 , 208, 32-44	40
726	Mesenchymal Stromal Cell Derived Extracellular Vesicles Reduce Hypoxia-Ischaemia Induced Perinatal Brain Injury. 2019 , 10, 282	32
725	Extracellular Vesicle-Educated Macrophages Promote Early Achilles Tendon Healing. 2019 , 37, 652-662	73
724	Effects of Gastric Cancer Cell-Derived Exosomes on the Immune Regulation of Mesenchymal Stem Cells by the NF- κ B Signaling Pathway. 2019 , 28, 464-476	32
723	IGF-2 Preprograms Maturing Macrophages to Acquire Oxidative Phosphorylation-Dependent Anti-inflammatory Properties. 2019 , 29, 1363-1375.e8	47
722	Immunoregulatory potential of mesenchymal stem cells following activation by macrophage-derived soluble factors. 2019 , 10, 58	76
721	Targeting Mesenchymal Stromal Cells/Pericytes (MSCs) With Pulsed Electromagnetic Field (PEMF) Has the Potential to Treat Rheumatoid Arthritis. 2019 , 10, 266	34

720	Clinical trials in traumatic brain injury: cellular therapy and outcome measures. 2019 , 59, 858-868	17
719	Exploring the roles of MSCs in infections: focus on bacterial diseases. 2019 , 97, 437-450	29
718	Bone marrow mesenchymal stem cells protect lungs from smoke inhalation injury by differentiating into alveolar epithelial cells via Notch signaling. 2019 , 44, 1	4
717	Mesenchymal stromal cells in kidney transplantation. 2019 , 28, 40-46	11
716	Adipose-derived mesenchymal stem cells ameliorate the inflammatory reaction in CLP-induced septic acute lung injury rats via sTNFR1. 2019 , 234, 16582	9
715	Decidua Basalis Mesenchymal Stem Cells Favor Inflammatory M1 Macrophage Differentiation In Vitro. 2019 , 8,	10
714	Shooting three inflammatory targets with a single bullet: Novel multi-targeting anti-inflammatory glitazones. 2019 , 167, 562-582	20
713	Immunomodulatory Properties of Dental-Derived Mesenchymal Stem Cells. 2019 ,	0
712	Antimicrobial Effects of Conditioned Medium From Amniotic Progenitor Cells and : Toward Tissue Regenerative Therapies for Bovine Mastitis. 2019 , 6, 443	8
711	The Use of Pulsed Electromagnetic Field to Modulate Inflammation and Improve Tissue Regeneration: A Review. 2019 , 1, 247-259	12
710	Mesenchymal stem cell-gut microbiota interaction in the repair of inflammatory bowel disease: an enhanced therapeutic effect. 2019 , 8, 31	24
709	Macrophage polarization in periodontal ligament stem cells enhanced periodontal regeneration. 2019 , 10, 320	41
708	Substrate stiffness affects the immunosuppressive and trophic function of hMSCs via modulating cytoskeletal polymerization and tension. 2019 , 7, 5292-5300	12
707	Approaches to the Induction of Tolerance. 2019 , 333-354	
706	Stem Cell-Based Therapy for Lung Disease. 2019 ,	3
705	Thawed Mesenchymal Stem Cell Product Shows Comparable Immunomodulatory Potency to Cultured Cells In Vitro and in Polymicrobial Septic Animals. 2019 , 9, 18078	14
704	MSC-secreted TGF- β regulates lipopolysaccharide-stimulated macrophage M2-like polarization via the Akt/FoxO1 pathway. 2019 , 10, 345	75
703	Immunosuppression is Inappropriately Qualifying the Immune Status of Septic and SIRS Patients. 2019 , 52, 307-317	11

702	Strategies to Enhance Mesenchymal Stem Cell-Based Therapies for Acute Respiratory Distress Syndrome. 2019 , 2019, 5432134	20
701	Effects of Mesenchymal Stem Cell Treatment on Systemic Cytokine Levels in a Phase 1 Dose Escalation Safety Trial of Septic Shock Patients. 2019 , 47, 918-925	31
700	Effect of Timing and Complement Receptor Antagonism on Intragraft Recruitment and Protolerogenic Effects of Mesenchymal Stromal Cells in Murine Kidney Transplantation. 2019 , 103, 1121-1130	9
699	Bone marrow-derived mesenchymal stem cell (BM-MSC): A tool of cell therapy in hydatid experimentally infected rats. 2019 , 8, 58-71	9
698	Mesenchymal stem cell perspective: cell biology to clinical progress. 2019 , 4, 22	532
697	Sepsis: Therapeutic Potential of Immunosuppression versus Immunostimulation. 2019 , 60, 128-130	1
696	Mesenchymal stem cell treatment attenuates liver and lung inflammation after ethanol intoxication and burn injury. 2019 , 80, 139-148	5
695	Mesenchymal stem cells attenuate sepsis-induced liver injury via inhibiting M1 polarization of Kupffer cells. 2019 , 452, 187-197	17
694	Combination therapy of mesenchymal stromal cells and sulfasalazine attenuates trinitrobenzene sulfonic acid induced colitis in the rat: The S1P pathway. 2019 , 234, 11078-11091	11
693	Mesenchymal stromal cells from infants with simple polydactyly modulate immune responses more efficiently than adult mesenchymal stromal cells. 2019 , 21, 148-161	5
692	Articular fibrocartilage - Why does hyaline cartilage fail to repair?. 2019 , 146, 289-305	100
691	Curcumin pretreatment protects against hypoxia/reoxygenation injury via improvement of mitochondrial function, destabilization of HIF-1 α and activation of Epac1-Akt pathway in rat bone marrow mesenchymal stem cells. 2019 , 109, 1268-1275	14
690	Cell-Based Therapy for Neonatal Lung Diseases. 2019 , 347-361	
689	Compromised Antibacterial Function of Multipotent Stromal Cells in Diabetes. 2019 , 28, 268-277	2
688	Preconditioned or IL4-Secreting Mesenchymal Stem Cells Enhanced Osteogenesis at Different Stages. 2019 , 25, 1096-1103	20
687	Concise Review: Therapeutic Potential of the Mesenchymal Stem Cell Derived Secretome and Extracellular Vesicles for Radiation-Induced Lung Injury: Progress and Hypotheses. 2019 , 8, 344-354	46
686	Bone Marrow-Derived Macrophages Enhance Vessel Stability in Modular Engineered Tissues. 2019 , 25, 911-923	5
685	Therapeutic potential of mesenchymal stromal cells in the treatment of ARDS. 2019 , 59, 869-875	12

684	Interaction between mesenchymal stromal cell-derived extracellular vesicles and immune cells by distinct protein content. 2019 , 234, 8249-8258	71
683	Human Adipose Tissue-Derived Stromal Cells Attenuate the Multiple Organ Injuries Induced by Sepsis and Mechanical Ventilation in Mice. 2019 , 42, 485-495	5
682	Exosomes in perspective: a potential surrogate for stem cell therapy. 2019 , 107, 271-284	32
681	Trained murine mesenchymal stem cells have anti-inflammatory effect on macrophages, but defective regulation on T-cell proliferation. 2019 , 33, 4203-4211	12
680	Effect of mesenchymal stromal (stem) cell (MSC) transplantation in asthmatic animal models: A systematic review and meta-analysis. 2019 , 54, 39-52	17
679	Mesenchymal stem cell-based therapy of osteoarthritis: Current knowledge and future perspectives. 2019 , 109, 2318-2326	118
678	Prostaglandin E secreted by mesenchymal stem cells protects against acute liver failure via enhancing hepatocyte proliferation. 2019 , 33, 2514-2525	16
677	Bone marrow-derived mesenchymal stem cells ameliorate liver injury in a rat model of sepsis by activating Nrf2 signaling. 2019 , 151, 249-262	3
676	Role of the immune system in regeneration and its dynamic interplay with adult stem cells. 2019 , 87, 160-168	33
675	Bone Marrow Cells Transplant in Septic Mice Modulates Systemic Inflammatory Response via Cell-Cell Contact. 2019 , 51, 381-388	1
674	Mesenchymal stem cell-macrophage crosstalk and bone healing. 2019 , 196, 80-89	233
673	Autophagy: a potential key contributor to the therapeutic action of mesenchymal stem cells. 2020 , 16, 28-37	36
672	Stem cell therapy for preventing neonatal diseases in the 21st century: Current understanding and challenges. 2020 , 87, 265-276	28
671	The multifaceted role of mesenchymal stem cells in cancer. 2020 , 60, 225-237	47
670	Damage-associated molecular patterns in trauma. 2020 , 46, 751-775	54
669	Mesenchymal stromal cells in cancer: a review of their immunomodulatory functions and dual effects on tumor progression. 2020 , 250, 555-572	45
668	Mesenchymal stem cell-derived extracellular vesicles for the treatment of acute respiratory distress syndrome. 2020 , 9, 28-38	79
667	Mesenchymal stem cells in allergic diseases: Current status. 2020 , 69, 35-45	18

666	Current understanding of the therapeutic benefits of mesenchymal stem cells in acute respiratory distress syndrome. 2020 , 36, 83-102	39
665	Equine bone marrow-derived mesenchymal stromal cells inhibit reactive oxygen species production by neutrophils. 2020 , 221, 109975	9
664	Preconditioning of canine adipose tissue-derived mesenchymal stem cells with deferoxamine potentiates anti-inflammatory effects by directing/reprogramming M2 macrophage polarization. 2020 , 219, 109973	6
663	Therapeutic potential of mesenchymal stem/stromal cell-derived secretome and vesicles for lung injury and disease. 2020 , 20, 125-140	25
662	Antibacterial and antibiofilm activity of bone marrow-derived human mesenchymal stem cells secretome against <i>Vibrio cholerae</i> . 2020 , 139, 103867	5
661	Immune modulation by mesenchymal stem cells. 2020 , 53, e12712	119
660	Allogeneic mesenchymal stromal cells: Novel therapeutic option for mutated FLNA-associated respiratory failure in the pediatric setting. 2020 , 55, 190-197	3
659	Immunoregulatory properties of mesenchymal stem cells: Micro-RNAs. 2020 , 219, 34-45	8
658	Prostaglandin E2 accelerated recovery of chemotherapy-induced intestinal damage by increasing expression of cyclin D. 2020 , 388, 111819	
657	Assessment of Enrichment of Human Mesenchymal Stem Cells Based on Plasma and Mitochondrial Membrane Potentials. 2020 , 2, 21-32	4
656	Gestational diabetes impacts fetal precursor cell responses with potential consequences for offspring. 2020 , 9, 351-363	6
655	Construction of a dermis-fat composite in vivo: Optimizing heterogeneous acellular dermal matrix with in vitro pretreatment. 2020 , 14, 215-228	3
654	Cellular therapies in preclinical and clinical islet transplantation: Mesenchymal stem cells. 2020 , 821-831	
653	Endometrial stromal cells exhibit a distinct phenotypic and immunomodulatory profile. 2020 , 11, 15	15
652	Human Umbilical Cord Mesenchymal Stromal Cells Attenuate Systemic Sepsis in Part by Enhancing Peritoneal Macrophage Bacterial Killing via Heme Oxygenase-1 Induction in Rats. 2020 , 132, 140-154	10
651	Chitosan Hydrogel Enhances the Therapeutic Efficacy of Bone Marrow-Derived Mesenchymal Stem Cells for Myocardial Infarction by Alleviating Vascular Endothelial Cell Pyroptosis. 2020 , 75, 75-83	16
650	PGE2 ameliorated viral myocarditis development and promoted IL-10-producing regulatory B cell expansion via MAPKs/AKT-AP1 axis or AhR signaling. 2020 , 347, 104025	9
649	In a Phase 1a escalating clinical trial, autologous mesenchymal stem cell infusion for renovascular disease increases blood flow and the glomerular filtration rate while reducing inflammatory biomarkers and blood pressure. 2020 , 97, 793-804	21

648	Publication Trends of Research on Sepsis and Host Immune Response during 1999-2019: A 20-year Bibliometric Analysis. 2020 , 16, 27-37	22
647	Anti-fibrotic mechanisms of exogenously-expanded mesenchymal stromal cells for fibrotic diseases. 2020 , 101, 87-103	14
646	Plasma miR-370-3P as a Biomarker of Sepsis-Associated Encephalopathy, the Transcriptomic Profiling Analysis of MicroRNA-Arrays From Mouse Brains. 2020 , 54, 347-357	22
645	Priming TLR3 and TLR4 in human adipose- and olfactory mucosa-derived mesenchymal stromal cells and comparison of their cytokine secretions. 2020 , 72, 57-68	7
644	Mesenchymal Stem Cell Secretome as an Emerging Cell-Free Alternative for Improving Wound Repair. 2020 , 21,	34
643	A Neonatal Murine Sepsis Model Demonstrates That Adjunctive Pentoxifylline Enhances the Ratio of Anti- vs. Pro-inflammatory Cytokines in Blood and Organ Tissues. 2020 , 11, 577878	3
642	Therapeutic potential of mesenchymal stem cells in treating both types of diabetes mellitus and associated diseases. 2020 , 19, 1979-1993	0
641	Extracorporeal shock wave therapy (ESWT) may be helpful in the osseointegration of dental implants: A hypothesis. 2020 , 145, 110294	3
640	Potential application of mesenchymal stem cells and their exosomes in lung injury: an emerging therapeutic option for COVID-19 patients. 2020 , 11, 437	28
639	Challenges for Mesenchymal Stem Cell-Based Therapy for COVID-19. 2020 , 14, 3995-4001	7
638	Immunosuppressive effects of mesenchymal stem cells on lung B cell gene expression in LPS-induced acute lung injury. 2020 , 11, 418	7
637	Regulatory-compliant conditions during cell product manufacturing enhance in vitro immunomodulatory properties of infrapatellar fat pad-derived mesenchymal stem/stromal cells. 2020 , 22, 677-689	6
636	Prophylactic therapy with human amniotic fluid stem cells improved survival in a rat model of lipopolysaccharide-induced neonatal sepsis through immunomodulation via aggregates with peritoneal macrophages. 2020 , 11, 300	7
635	Over-expression of miR-223 induces M2 macrophage through glycolysis alteration and attenuates LPS-induced sepsis mouse model, the cell-based therapy in sepsis. 2020 , 15, e0236038	28
634	Genetically Modified Mesenchymal Stromal/Stem Cells: Application in Critical Illness. 2020 , 16, 812-827	13
633	Skeletal Regeneration: Stem Cell Therapy. 2020 , 119-134	
632	IL-1 Pretreatment Improves the Efficacy of Mesenchymal Stem Cells on Acute Liver Failure by Enhancing CXCR4 Expression. 2020 , 2020, 1498315	9
631	Novel Stem Cells and Nucleic Acid-Based Vaccine Trials Against Viral Outbreak: A Systematic Evaluation During COVID-2019 Pandemic. 2020 , 35, 1-13	4

630	Embryonic stem cell-derived mesenchymal stem cells promote colon epithelial integrity and regeneration by elevating circulating IGF-1 in colitis mice. 2020 , 10, 12204-12222	12
629	Extracellular Vesicle-Dependent Communication Between Mesenchymal Stromal Cells and Immune Effector Cells. 2020 , 8, 596079	12
628	A phase Ib/IIa, randomised, double-blind, multicentre trial to assess the safety and efficacy of expanded Cx611 allogeneic adipose-derived stem cells (eASCs) for the treatment of patients with community-acquired bacterial pneumonia admitted to the intensive care unit. 2020 , 20, 309	3
627	Extracellular Vesicles from SOD3-Transduced Stem Cells Exhibit Improved Immunomodulatory Abilities in the Murine Dermatitis Model. 2020 , 9,	5
626	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of SARS-CoV-2-Induced Acute Respiratory Distress Syndrome. 2020 , 2020, 1939768	14
625	Mesenchymal Stem Cells Attenuate Lipopolysaccharide-Induced Inflammatory Response in Human Uterine Smooth Muscle Cells. 2020 , 10, e335-e341	1
624	Augmenting emergency granulopoiesis with CpG conditioned mesenchymal stromal cells in murine neutropenic sepsis. 2020 , 4, 4965-4979	3
623	Promotion of the immunomodulatory properties and osteogenic differentiation of adipose-derived mesenchymal stem cells in vitro by lentivirus-mediated mir-146a sponge expression. 2020 , 14, 1581-1591	5
622	The Mechanisms Involved in Mesenchymal Stem Cell Alleviation of Sepsis-Induced Acute Lung Injury in Mice: A Pilot Study. 2020 , 93, 100593	2
621	Fabrication and evaluation of a chitin whisker/poly(L-lactide) composite scaffold by the direct trisolvant-ink writing method for bone tissue engineering. 2020 , 12, 18225-18239	10
620	Mesenchymal stromal cell therapies: immunomodulatory properties and clinical progress. 2020 , 11, 345	50
619	Bioactive Lipids as Mediators of the Beneficial Action(s) of Mesenchymal Stem Cells in COVID-19. 2020 , 11, 746-755	11
618	Mesenchymal Stem Cell Immunomodulation: Mechanisms and Therapeutic Potential. 2020 , 41, 653-664	104
617	Immunosuppressive Property of MSCs Mediated by Cell Surface Receptors. 2020 , 11, 1076	26
616	Multifunctional biomimetic hydrogel systems to boost the immunomodulatory potential of mesenchymal stromal cells. 2020 , 257, 120266	21
615	Mesenchymal stem cells inhibited the differentiation of MDSCs via COX2/PGE2 in experimental sialadenitis. 2020 , 11, 325	10
614	The Exposure to Osteoarthritic Synovial Fluid Enhances the Immunomodulatory Profile of Adipose Mesenchymal Stem Cell Secretome. 2020 , 2020, 4058760	7
613	Mesenchymal Stem Cells in Aplastic Anemia and Myelodysplastic Syndromes: The "Seed and Soil" Crosstalk. 2020 , 21,	9

612	Antibacterial Fusion Protein BPI21/LL-37 Modification Enhances the Therapeutic Efficacy of hUC-MSCs in Sepsis. 2020 , 28, 1806-1817	4
611	Autologous transplantation of adipose-derived stromal cells combined with sevoflurane ameliorates acute lung injury induced by cecal ligation and puncture in rats. 2020 , 10, 13760	2
610	MicroRNA-301a inhibition enhances the immunomodulatory functions of adipose-derived mesenchymal stem cells by induction of macrophage M2 polarization. 2020 , 34, 2058738420966092	3
609	Therapeutic angiogenesis using autologous adipose-derived regenerative cells in patients with critical limb ischaemia in Japan: a clinical pilot study. 2020 , 10, 16045	9
608	Combined therapy with adipose tissue-derived mesenchymal stromal cells and meglumine antimoniate controls lesion development and parasite load in murine cutaneous leishmaniasis caused by <i>Leishmania amazonensis</i> . 2020 , 11, 374	1
607	Overexpressing TGF- β in mesenchymal stem cells attenuates organ dysfunction during CLP-induced septic mice by reducing macrophage-driven inflammation. 2020 , 11, 378	7
606	Emerging Roles of Perivascular Mesenchymal Stem Cells in Synovial Joint Inflammation. 2020 , 15, 838-851	0
605	Potential of Extracellular Vesicle-Associated TSG-6 from Adipose Mesenchymal Stromal Cells in Traumatic Brain Injury. 2020 , 21,	8
604	Mechanisms of Key Innate Immune Cells in Early- and Late-Onset Preeclampsia. 2020 , 11, 1864	34
603	Mesenchymal Stem Cells Adaptively Respond to Environmental Cues Thereby Improving Granulation Tissue Formation and Wound Healing. 2020 , 8, 697	19
602	Could Mesenchymal Stem Cell-Derived Exosomes Be a Therapeutic Option for Critically Ill COVID-19 Patients?. 2020 , 9,	11
601	Administration of cardiac mesenchymal cells modulates innate immunity in the acute phase of myocardial infarction in mice. 2020 , 10, 14754	3
600	The Immunomodulatory Effects of Mesenchymal Stem Cells on Regulatory B Cells. 2020 , 11, 1843	19
599	MSC-based therapy in female pelvic floor disorders. 2020 , 10, 104	3
598	Adipose-derived mesenchymal stem cells attenuate acute lung injury and improve the gut microbiota in septic rats. 2020 , 11, 384	12
597	Mesenchymal Stem Cell Therapy-Is the Vessel Half Full or Half Empty?. 2020 , 51, 267-270	
596	Mesenchymal stromal cells for sepsis and septic shock: Lessons for treatment of COVID-19. 2020 , 9, 1488-1494	10
595	Autophagy controls mesenchymal stem cell therapy in psychological stress colitis mice. 2021 , 17, 2586-2603	3

594	Hyperdry human amniotic membrane application as a wound dressing for a full-thickness skin excision after a third-degree burn injury. 2020 , 8, tkaa014	9
593	Menstrual blood-derived stromal cells modulate functional properties of mouse and human macrophages. 2020 , 10, 21389	2
592	Involvement of Mesenchymal Stem Cells in Oral Mucosal Bacterial Immunotherapy. 2020 , 11, 567391	3
591	Molecular Crosstalk Between Macrophages and Mesenchymal Stromal Cells. 2020 , 8, 600160	12
590	The Role of Paracrine Regulation of Mesenchymal Stem Cells in the Crosstalk With Macrophages in Musculoskeletal Diseases: A Systematic Review. 2020 , 8, 587052	5
589	TNF- β Priming Elicits Robust Immunomodulatory Potential of Human Tonsil-Derived Mesenchymal Stem Cells to Alleviate Murine Colitis. 2020 , 8,	3
588	The role of mesenchymal stem/stromal cells in the acute clinical setting. 2021 , 46, 572-578	5
587	The application of bone marrow mesenchymal stem cells and biomaterials in skeletal muscle regeneration. 2020 , 15, 285-294	8
586	Human adipose mesenchymal stem cells modulate myeloid cells toward an anti-inflammatory and reparative phenotype: role of IL-6 and PGE2. 2020 , 11, 462	11
585	HIPK3 Mediates Inflammatory Cytokines and Oxidative Stress Markers in Monocytes in a Rat Model of Sepsis Through the JNK/c-Jun Signaling Pathway. 2020 , 43, 1127-1142	6
584	Controlled Release of Stem Cell Secretome Attenuates Inflammatory Response against Implanted Biomaterials. 2020 , 9, e1901874	5
583	Key role of macrophages in tolerance induction via T regulatory type 1 (Tr1) cells. 2020 , 201, 222-230	5
582	Identifying the Therapeutic Significance of Mesenchymal Stem Cells. 2020 , 9,	25
581	Mesenchymal stem/stromal cells: the therapeutic effects in animal models of acute pulmonary diseases. 2020 , 21, 110	5
580	Anti-inflammatory protein TSG-6 secreted by bone marrow mesenchymal stem cells attenuates neuropathic pain by inhibiting the TLR2/MyD88/NF- κ B signaling pathway in spinal microglia. 2020 , 17, 154	22
579	TGF- β -Licensed Murine MSCs Show Superior Therapeutic Efficacy in Modulating Corneal Allograft Immune Rejection In Vivo. 2020 , 28, 2023-2043	12
578	Molecular Biochemical Aspects of Cancer. 2020 ,	0
577	Phosphatase SHP1 impedes mesenchymal stromal cell immunosuppressive capacity modulated by JAK1/STAT3 and P38 signals. 2020 , 10, 65	8

576	Intratracheal Instillation of Stem Cells in Term Neonatal Rats. 2020,	1
575	Pre-conditioning of Equine Bone Marrow-Derived Mesenchymal Stromal Cells Increases Their Immunomodulatory Capacity. 2020, 7, 318	5
574	Three dimensional microcarrier system in mesenchymal stem cell culture: a systematic review. 2020, 10, 75	24
573	A scaffold laden with mesenchymal stem cell-derived exosomes for promoting endometrium regeneration and fertility restoration through macrophage immunomodulation. 2020, 113, 252-266	38
572	The Role of MSCs in the Tumor Microenvironment and Tumor Progression. 2020, 40, 3039-3047	13
571	Efficacy of mesenchymal stem cell therapy for sepsis: a meta-analysis of preclinical studies. 2020, 11, 214	14
570	Mesenchymal stromal/stem cells modulate response to experimental sepsis-induced lung injury via regulation of miR-27a-5p in recipient mice. 2020, 75, 556-567	5
569	Mesenchymal stem cells offer a drug-tolerant and immune-privileged niche to Mycobacterium tuberculosis. 2020, 11, 3062	8
568	Expression of Stromal Cell-Derived Factor-1 by Mesenchymal Stromal Cells Impacts Neutrophil Function During Sepsis. 2020, 48, e409-e417	3
567	Biological Considerations in Scaling Up Therapeutic Cell Manufacturing. 2020, 11, 654	21
566	Current status of mesenchymal stem cell therapy for immune/inflammatory lung disorders: Gleaning insights for possible use in COVID-19. 2020, 9, 1163-1173	37
565	Mesenchymal Stem and Stromal Cells Harness Macrophage-Derived Amphiregulin to Maintain Tissue Homeostasis. 2020, 30, 3806-3820.e6	31
564	Five Decades Later, Are Mesenchymal Stem Cells Still Relevant?. 2020, 8, 148	53
563	Biomaterials functionalized with MSC secreted extracellular vesicles and soluble factors for tissue regeneration. 2020, 30, 1909125	78
562	The enhancement of CCL2 and CCL5 by human bone marrow-derived mesenchymal stem/stromal cells might contribute to inflammatory suppression and axonal extension after spinal cord injury. 2020, 15, e0230080	11
561	Mapping the structure and biological functions within mesenchymal bodies using microfluidics. 2020, 6, eaaw7853	16
560	The mechanism of Tyk2 deficiency-induced immunosuppression in mice involves robust IL-10 production in macrophages. 2020, 130, 155077	5
559	Advanced Strategies for Modulation of the Material-Macrophage Interface. 2020, 30, 1909331	30

558	The role of the immune system in tendon healing: a systematic review. 2020 , 133, 49-64	12
557	Evaluation of Mesenchymal Stem Cell Therapy for Sepsis: A Randomized Controlled Porcine Study. 2020 , 11, 126	11
556	The Generation and Identity of Human Myeloid-Derived Suppressor Cells. 2020 , 10, 109	39
555	Current Status of Stem Cell Therapy for Sepsis and Acute Respiratory Distress Syndrome. 2020 ,	1
554	Mesenchymal Stem Cells Beyond Regenerative Medicine. 2020 , 8, 72	32
553	Mesenchymal stem cell derived extracellular vesicles: promising immunomodulators against autoimmune, autoinflammatory disorders and SARS-CoV-2 infection. 2020 , 44, 273-282	15
552	Modifying MSC Phenotype to Facilitate Bone Healing: Biological Approaches. 2020 , 8, 641	12
551	Allogeneic adipose-derived stem cells promote ischemic muscle repair by inducing M2 macrophage polarization via the HIF-1 α /IL-10 pathway. 2020 , 38, 1307-1320	12
550	Mesenchymal stromal cells and their secreted extracellular vesicles as therapeutic tools for COVID-19 pneumonia?. 2020 , 325, 135-140	19
549	Mesenchymal Stromal Cells and Exosomes: Progress and Challenges. 2020 , 8, 665	33
548	In vivo monitoring of dynamic interaction between neutrophil and human umbilical cord blood-derived mesenchymal stem cell in mouse liver during sepsis. 2020 , 11, 44	10
547	Mesenchymal stem cells suppress leukemia via macrophage-mediated functional restoration of bone marrow microenvironment. 2020 , 34, 2375-2383	20
546	Mesenchymal stromal cell derived CCL2 is required for accelerated wound healing. 2020 , 10, 2642	14
545	Safety and efficacy of a mesenchymal stem cell intramammary therapy in dairy cows with experimentally induced Staphylococcus aureus clinical mastitis. 2020 , 10, 2843	16
544	Mesenchymal Stromal Cell Therapies The Next Frontiers. 2020 , 435-448	
543	Macrophages enhance mesenchymal stem cell osteogenesis via down-regulation of reactive oxygen species. 2020 , 94, 103297	9
542	Mesenchymal Stromal Cells from Fetal and Maternal Placenta Possess Key Similarities and Differences: Potential Implications for Their Applications in Regenerative Medicine. 2020 , 9,	25
541	Therapeutic Mesenchymal Stromal Cells for Immunotherapy and for Gene and Drug Delivery. 2020 , 16, 204-224	29

540	An Update on the Progress of Isolation, Culture, Storage, and Clinical Application of Human Bone Marrow Mesenchymal Stem/Stromal Cells. 2020 , 21,	30
539	Bone Marrow-Derived Mesenchymal Stromal Cells (MSCs) Modulate the Inflammatory Character of Alveolar Macrophages from Sarcoidosis Patients. 2020 , 9,	6
538	Immunoregulatory properties of mesenchymal stem cells and their application in immunotherapy. 2020 , 17-43	
537	Fabrication and characterization of herbal drug enriched Guar galactomannan based nanofibrous mats seeded with GMSC's for wound healing applications. 2020 , 148, 737-749	14
536	Mechanisms underlying the protective effects of mesenchymal stem cell-based therapy. 2020 , 77, 2771-2794	148
535	The Potential of Mesenchymal Stem Cells to Treat Systemic Inflammation in Horses. 2019 , 6, 507	21
534	Albumin-impregnated bone granules modulate the interactions between mesenchymal stem cells and monocytes under in vitro inflammatory conditions. 2020 , 110, 110678	7
533	Mesenchymal stromal cell-based therapies for acute kidney injury: progress in the last decade. 2020 , 97, 1130-1140	18
532	Control of mesenchymal stem cell biology by histone modifications. 2020 , 10, 11	14
531	Medicinal signaling cells: A potential antimicrobial drug store. 2020 , 235, 7731-7746	9
530	Mesenchymal stromal cells ameliorate acute lung injury induced by LPS mainly through stanniocalcin-2 mediating macrophage polarization. 2020 , 8, 334	18
529	Inflammation in myocardial injury- Stem cells as potential immunomodulators for myocardial regeneration and restoration. 2020 , 250, 117582	6
528	Staging and Personalized Intervention for Infection and Sepsis. 2020 , 21, 732-744	5
527	Soft extracellular matrix enhances inflammatory activation of mesenchymal stromal cells to induce monocyte production and trafficking. 2020 , 6, eaaw0158	32
526	Current Status and Future Prospects of Genome-Scale Metabolic Modeling to Optimize the Use of Mesenchymal Stem Cells in Regenerative Medicine. 2020 , 8, 239	9
525	Healing the Broken Heart; The Immunomodulatory Effects of Stem Cell Therapy. 2020 , 11, 639	18
524	Immunomodulatory and Tissue-preserving Effects of Human Dental Follicle Stem Cells in a Rat Cecal Ligation and Perforation Sepsis Model. 2020 , 51, 397-405	4
523	Emerging Therapeutic Potential of Mesenchymal Stem/Stromal Cells in Preeclampsia. 2020 , 22, 37	16

522	Mesenchymal Stem Cells Enhance Pulmonary Antimicrobial Immunity and Prevent Following Bacterial Infection. 2020 , 2020, 3169469	6
521	Low-Dose Decitabine Assists Human Umbilical Cord-Derived Mesenchymal Stem Cells in Protecting Cells via the Modulation of the Macrophage Phenotype in Type 2 Diabetic Mice. 2020 , 2020, 4689798	4
520	Do allogeneic bone marrow derived mesenchymal stem cells diminish the inflammatory response to lipopolysaccharide infusion in horses? A pilot study. 2021 , 231, 110146	2
519	Mesenchymal stem cell-derived small extracellular vesicles and bone regeneration. 2021 , 128, 18-36	14
518	Mesenchymal Stem/Stromal Cells Therapy for Sepsis and Acute Respiratory Distress Syndrome. 2021 , 42, 20-39	10
517	Enhanced protection against lipopolysaccharide-induced acute lung injury by autologous transplantation of adipose-derived stromal cells combined with low tidal volume ventilation in rats. 2021 , 236, 1295-1308	1
516	Treatment of COVID-19 Pneumonia: the Case for Placenta-derived Cell Therapy. 2021 , 17, 63-70	3
515	Mechanisms of Endothelial Regeneration and Vascular Repair and Their Application to Regenerative Medicine. 2021 , 191, 52-65	14
514	Mesenchymal Stromal Cell-Mediated Treatment of Local and Systemic Inflammation through the Triggering of an Anti-Inflammatory Response. 2021 , 31, 2002997	4
513	Design of selective cell migration biomaterials and their applications for tissue regeneration. 2021 , 56, 4080-4096	3
512	Combining miR-23b exposure with mesenchymal stem cell transplantation enhances therapeutic effects on EAE. 2021 , 229, 18-26	5
511	Mesenchymal stem cells reduce the oxaliplatin-induced sensory neuropathy through the reestablishment of redox homeostasis in the spinal cord. 2021 , 265, 118755	3
510	Nasal administration of mesenchymal stem cells reverses chemotherapy-induced peripheral neuropathy in mice. 2021 , 93, 43-54	5
509	Mesenchymal stromal cells for acute respiratory distress syndrome (ARDS), sepsis, and COVID-19 infection: optimizing the therapeutic potential. 2021 , 15, 301-324	12
508	Neuroprotection offered by mesenchymal stem cells in perinatal brain injury: Role of mitochondria, inflammation, and reactive oxygen species. 2021 , 158, 59-73	12
507	Immunomodulatory effects of mesenchymal stem cells for the treatment of cardiac allograft rejection. 2021 , 246, 851-860	1
506	Emerging trends in chromatin remodeler plasticity in mesenchymal stromal cell function. 2021 , 35, e21234	3
505	Mesenchymal stromal cells to fight SARS-CoV-2: Taking advantage of a pleiotropic therapy. 2021 , 58, 114-133	11

504	Exosomal miR-21 secreted by IL-1 β -primed-mesenchymal stem cells induces macrophage M2 polarization and ameliorates sepsis. 2021 , 264, 118658	28
503	Review of Trials Currently Testing Stem Cells for Treatment of Respiratory Diseases: Facts Known to Date and Possible Applications to COVID-19. 2021 , 17, 44-55	5
502	Role of miR-466 in mesenchymal stromal cell derived extracellular vesicles treating inoculation pneumonia caused by multidrug-resistant <i>Pseudomonas aeruginosa</i> . 2021 , 11, e287	5
501	Adipose-Derived Mesenchymal Stem Cells Ameliorating -induced Acute Lung Infection Inhibition of NLRC4 Inflammasome. 2020 , 10, 581535	6
500	Effects of Mesenchymal Stem Cell-Derived Paracrine Signals and Their Delivery Strategies. 2021 , 10, e2001689	23
499	Therapeutic Properties of Mesenchymal Stromal/Stem Cells: The Need of Cell Priming for Cell-Free Therapies in Regenerative Medicine. 2021 , 22,	25
498	Progress toward the Clinical Application of Mesenchymal Stromal Cells and Other Disease-Modulating Regenerative Therapies: Examples from the Field of Nephrology. 2021 , 2, 542-557	6
497	Mesenchymal Stromal Cell Therapy in Typical ARDS and Severe COVID-19. 2021 , 191-204	
496	Preclinical and clinical applications of mesenchymal stem cell-based therapy in pulmonary diseases. 2021 , 99-117	
495	Biologic and advanced immunomodulating therapeutic options for sarcoidosis: a clinical update. 2021 , 14, 179-210	2
494	Proposed Mechanisms of Targeting COVID-19 by Delivering Mesenchymal Stem Cells and Their Exosomes to Damaged Organs. 2021 , 17, 176-192	22
493	Cardiac Cell Therapy: Insights into the Mechanisms of Tissue Repair. 2021 , 22,	2
492	Mesenchymal stem cell-based treatment in autoimmune liver diseases: underlying roles, advantages and challenges. 2021 , 12, 2040622321993442	4
491	Perinatal Cells: A Promising COVID-19 Therapy?. 2020 , 8, 619980	2
490	From the Basis of Epimorphic Regeneration to Enhanced Regenerative Therapies. 2020 , 8, 605120	1
489	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Promising Treatment for COVID-19 Pandemic. 2021 ,	
488	Tailoring Materials for Modulation of Macrophage Fate. 2021 , 33, e2004172	37
487	Obesity-induced inflammation: The impact of the hematopoietic stem cell niche. 2021 , 6,	13

486	Potential surrogate quantitative immunomodulatory potency assay for monitoring human umbilical cord-derived mesenchymal stem cells production. 2021 , 45, 1072-1081	
485	Mesenchymal Stromal Cell Therapy in Solid Organ Transplantation. 2020 , 11, 618243	2
484	Immune-Based Anti-Staphylococcal Therapeutic Approaches. 2021 , 9,	1
483	Mesenchymal stromal cells: Getting ready for clinical primetime. 2021 , 60, 103058	1
482	Sepsis and Septic Shock; Current Treatment Dilemma and Role of Stem Cell Therapy in Pediatrics. 2021 , 9,	
481	Immunomodulatory Properties of Mesenchymal Stromal Cells: An Update. 2021 , 9, 637725	18
480	Acceleration of Bone-Tendon Interface Healing by Low-Intensity Pulsed Ultrasound Is Mediated by Macrophages. 2021 , 101,	2
479	Stem Cell Paracrine Signaling for Treatment of Premature Ovarian Insufficiency. 2020 , 11, 626322	0
478	Murine Myeloid Progenitors Attenuate Immune Dysfunction Induced by Hemorrhagic Shock. 2021 , 16, 324-336	3
477	Mesenchymal Stem Cell Therapy for Oral Inflammatory Diseases: Research Progress and Future Perspectives. 2021 , 16, 165-174	1
476	"Cell Membrane Theory of Senescence" and the Role of Bioactive Lipids in Aging, and Aging Associated Diseases and Their Therapeutic Implications. 2021 , 11,	14
475	Mesenchymal stem cell-inspired microgel scaffolds to control macrophage polarization. 2021 , 6, e10217	6
474	M2-like macrophage infiltration and transforming growth factor- β secretion during socket healing process in mice. 2021 , 123, 105042	4
473	Mesenchymal stromal cell-mediated immune regulation: A promising remedy in the therapy of type 2 diabetes mellitus. 2021 , 39, 838-852	6
472	HIF-1 α and Pro-Inflammatory Signaling Improves the Immunomodulatory Activity of MSC-Derived Extracellular Vesicles. 2021 , 22,	9
471	Mesenchymal stromal cells for systemic sclerosis treatment. 2021 , 20, 102755	7
470	Cardiac Cell Therapy for Heart Repair: Should the Cells Be Left Out?. 2021 , 10,	9
469	HGF-Modified Dental Pulp Stem Cells Mitigate the Inflammatory and Fibrotic Responses in Paraquat-Induced Acute Respiratory Distress Syndrome. 2021 , 2021, 6662831	4

468	Mesenchymal stromal cells for the treatment of ocular autoimmune diseases. 2021 , 85, 100967	3
467	β-Antitrypsin: Key Player or Bystander in Acute Respiratory Distress Syndrome?. 2021 , 134, 792-808	2
466	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. 2021 , 11, 5265	4
465	Mesenchymal stromal cell-dependent immunoregulation in chemically-induced acute liver failure. 2021 , 13, 208-220	1
464	Biological Aspects and Clinical Applications of Mesenchymal Stem Cells: Key Features You Need to be Aware of. 2021 , 22, 200-215	5
463	Mesenchymal Stem Cells: An Overview of Their Potential in Cell-Based Therapy for Diabetic Nephropathy. 2021 , 2021, 6620811	3
462	Progress and potential of mesenchymal stromal cell therapy in acute respiratory distress syndrome. 2021 , 353-372	1
461	Impact of Three Different Serum Sources on Functional Properties of Equine Mesenchymal Stromal Cells. 2021 , 8, 634064	1
460	Therapeutic Potential of Extracellular Vesicles for Sepsis Treatment. 2021 , 4, 2000259	3
459	Mitochondria-Rich Fraction Isolated From Mesenchymal Stromal Cells Reduces Lung and Distal Organ Injury in Experimental Sepsis. 2021 , 49, e880-e890	8
458	Mesenchymal stem/stromal cell-based therapy: mechanism, systemic safety and biodistribution for precision clinical applications. 2021 , 28, 28	23
457	MSCs and Inflammatory Cells Crosstalk in Regenerative Medicine: Concerted Actions for Optimized Resolution Driven by Energy Metabolism. 2021 , 12, 626755	12
456	Mesenchymal Stem Cells and Extracellular Vesicles: An Emerging Alternative to Combat COVID-19.	1
455	Mechanism of White Matter Injury and Promising Therapeutic Strategies of MSCs After Intracerebral Hemorrhage. 2021 , 13, 632054	3
454	Toll-like receptor activation of equine mesenchymal stromal cells to enhance antibacterial activity and immunomodulatory cytokine secretion. 2021 , 50, 858-871	6
453	Genetic modification of mesenchymal stem cells to enhance their anti-tumor efficacy. 2021 , 1-6	
452	A Roadmap of In Vitro Models in Osteoarthritis: A Focus on Their Biological Relevance in Regenerative Medicine. 2021 , 10,	5
451	Inflammatory Regulation by TNF-β-Activated Adipose-Derived Stem Cells in the Human Bladder Cancer Microenvironment. 2021 , 22,	1

450	Mesenchymal multipotent stromal cells and cancer safety: two sides of the same coin or a double-edged sword (review of foreign literature). 2021 , 8, 64-84	
449	Stromal Heterogeneity in the Human Proliferative Endometrium-A Single-Cell RNA Sequencing Study. 2021 , 11,	3
448	Mesenchymal Stem Cells and COVID-19: Cure, Prevention, and Vaccination. 2021 , 2021, 6666370	4
447	Mesenchymal Stromal Cells and Their Secretome: New Therapeutic Perspectives for Skeletal Muscle Regeneration. 2021 , 9, 652970	9
446	Nanozyme Impregnated Mesenchymal Stem Cells for Hepatic Ischemia-Reperfusion Injury Alleviation. 2021 , 13, 25649-25662	6
445	PINK1 contained in huMSC-derived exosomes prevents cardiomyocyte mitochondrial calcium overload in sepsis via recovery of mitochondrial Ca efflux. 2021 , 12, 269	9
444	The 15-Months Clinical Experience of SARS-CoV-2: A Literature Review of Therapies and Adjuvants. 2021 , 10,	11
443	Research Progress of Mesenchymal Stem Cell Therapy for Severe COVID-19. 2021 , 30, 459-472	0
442	Advances in mesenchymal stem cell therapy for immune and inflammatory diseases: Use of cell-free products and human pluripotent stem cell-derived mesenchymal stem cells. 2021 , 10, 1288-1303	14
441	Ex Vivo Mesenchymal Stem Cell Therapy to Regenerate Machine Perfused Organs. 2021 , 22,	2
440	Splenic macrophage phagocytosis of intravenously infused mesenchymal stromal cells attenuates tumor localization. 2021 , 23, 411-422	2
439	Therapeutic implications of transplanted-cell death. 2021 , 5, 379-384	5
438	Targeting reactive oxygen species in stem cells for bone therapy. 2021 , 26, 1226-1244	3
437	The Macrophage Response Is Driven by Mesenchymal Stem Cell-Mediated Metabolic Reprogramming. 2021 , 12, 624746	3
436	BAM15, a Mitochondrial Uncoupling Agent, Attenuates Inflammation in the LPS Injection Mouse Model: An Adjunctive Anti-Inflammation on Macrophages and Hepatocytes. 2021 , 13, 359-375	7
435	D-dopachrome tautomerase activates COX2/PGE pathway of astrocytes to mediate inflammation following spinal cord injury. 2021 , 18, 130	4
434	Mesenchymal Stem Cell-Macrophage Crosstalk and Maintenance of Inflammatory Microenvironment Homeostasis. 2021 , 9, 681171	6
433	Therapeutic potential of periodontal ligament stem cells. 2021 , 13, 605-618	9

432	Interplay between mesenchymal stromal cells and immune system: clinical applications in immune-related diseases.	1
431	Macrophage Related Chronic Inflammation in Non-Healing Wounds. 2021 , 12, 681710	11
430	Regenerative medicine for digestive fistulae therapy: Benefits, challenges and promises of stem/stromal cells and emergent perspectives via their extracellular vesicles. 2021 , 179, 113841	1
429	Mesenchymal stem cells: Biological characteristics and application in disease therapy. 2021 , 185, 9-21	10
428	Advantages and challenges of stem cell therapy for osteoarthritis (Review). 2021 , 15, 67	5
427	Intestinal mesenchymal cells regulate immune responses and promote epithelial regeneration in vitro and in dextran sulfate sodium-induced experimental colitis in mice. 2021 , 233, e13699	2
426	Importance of the origin of mesenchymal (stem) stromal cells in cancer biology: "alliance" or "war" in intercellular signals. 2021 , 11, 109	2
425	Local Immunomodulatory Strategies to Prevent Allo-Rejection in Transplantation of Insulin-Producing Cells. 2021 , 8, e2003708	4
424	Butorphanol Promotes Macrophage Phenotypic Transition to Inhibit Inflammatory Lung Injury □ Receptors. 2021 , 12, 692286	6
423	Spontaneous apoptosis of cells in therapeutic stem cell preparation exert immunomodulatory effects through release of phosphatidylserine. 2021 , 6, 270	4
422	Bone marrow-derived mesenchymal stem cells transplantation ameliorates renal injury through anti-fibrotic and anti-inflammatory effects in chronic experimental renovascular disease. 2021 ,	2
421	Mesenchymal Stem Cells and Tuberculosis: Clinical Challenges and Opportunities. 2021 , 12, 695278	1
420	Bone marrow-mesenchymal stem cell-derived exosomal microRNA-141 targets PTEN and activates Eatenin to alleviate myocardial injury in septic mice. 2021 , 43, 584-593	1
419	Therapeutic potential of mesenchymal stem cells in multiple organs affected by COVID-19. 2021 , 278, 119510	1
418	Immunomodulatory Biomaterials for Tissue Repair. 2021 , 121, 11305-11335	16
417	Epicardial placement of human MSC-loaded fibrin sealant films for heart failure: Preclinical efficacy and mechanistic data. 2021 , 29, 2554-2570	4
416	Mesenchymal stem cell and endothelial progenitor cells coinjection improves LPS-induced lung injury via Tie2 activation and downregulation of the TLR4/MyD88 pathway. 2021 , 122, 1791-1804	1
415	Increased In Vitro Intercellular Barrier Function of Lung Epithelial Cells Using Adipose-Derived Mesenchymal Stem/Stromal Cells. 2021 , 13,	

414	Matrix biophysical cues direct mesenchymal stromal cell functions in immunity. 2021 , 133, 126-138	1
413	NFB Targeting in Bone Marrow Mesenchymal Stem Cell-Mediated Support of Age-Linked Hematological Malignancies. 2021 , 17, 2178-2192	0
412	Mesenchymal stromal cell-derived syndecan-2 regulates the immune response during sepsis to foster bacterial clearance and resolution of inflammation. 2021 ,	2
411	IL-1 β -primed mesenchymal stromal cells moderate hemorrhagic shock-induced organ injuries. 2021 , 12, 438	3
410	Antifibrotic effects and mechanisms of mesenchymal stem cell-derived exosomes in a systemic sclerosis mouse model: Possible contribution of miR-196b-5p. 2021 , 104, 39-47	3
409	IFN- γ and PPAR γ influence the efficacy and retention of multipotent adult progenitor cells in graft vs host disease. 2021 , 10, 1561-1574	1
408	Immune System Disequilibrium-Neutrophils, Their Extracellular Traps, and COVID-19-Induced Sepsis. 2021 , 8, 711397	2
407	Use of Mesenchymal Stem Cells in Crohn's Disease and Perianal Fistulas: A Narrative Review. 2021 ,	0
406	Mesenchymal stromal cells as a therapeutic intervention for COVID-19: a living systematic review and meta-analysis protocol. 2021 , 10, 249	1
405	Effects of living and metabolically inactive mesenchymal stromal cells and their derivatives on monocytes and macrophages. 2021 , 13, 1160-1176	0
404	Current therapeutic strategies for respiratory diseases using mesenchymal stem cells. 2021 , 2, 351-380	4
403	Therapeutic Potential of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in the Prevention of Organ Injuries Induced by Traumatic Hemorrhagic Shock. 2021 , 12, 749659	1
402	Pharmacological effects of ex vivo mesenchymal stem cell immunotherapy in patients with acute kidney injury and underlying systemic inflammation. 2021 , 10, 1588-1601	2
401	IL-1 β -primed mesenchymal stromal cells exert enhanced therapeutic effects to alleviate Chronic Prostatitis/Chronic Pelvic Pain Syndrome through systemic immunity. 2021 , 12, 514	1
400	Mesenchymal Stem Cells in the Treatment of COVID-19, a Promising Future. 2021 , 10,	0
399	TNF- α and IFN- γ Participate in Improving the Immunoregulatory Capacity of Mesenchymal Stem/Stromal Cells: Importance of Cell-Cell Contact and Extracellular Vesicles. 2021 , 22,	5
398	Is there a place for cellular therapy in depression?. 2021 , 11, 553-567	0
397	The critical role of mesenchymal stromal/stem cell therapy in COVID-19 patients: An updated review. 2021 , 39, 945-954	2

- 396 Persistence of Lipoproteins and Cholesterol Alterations after Sepsis: Implication for Atherosclerosis Progression. **2021**, 22, 1
- 395 Chondrogenically Primed Human Mesenchymal Stem Cells Persist and Undergo Early Stages of Endochondral Ossification in an Immunocompetent Xenogeneic Model. **2021**, 12, 715267
- 394 Current Status of Cell-Based Therapies for COVID-19: Evidence From Mesenchymal Stromal Cells in Sepsis and ARDS. **2021**, 12, 738697 2
- 393 Human mesenchymal stromal cells small extracellular vesicles attenuate sepsis-induced acute lung injury in a mouse model: the role of oxidative stress and the mitogen-activated protein kinase/nuclear factor kappa B pathway. **2021**, 23, 918-930 3
- 392 mRNA-engineered mesenchymal stromal cells expressing CXCR2 enhances cell migration and improves recovery in IBD. **2021**, 26, 222-236 3
- 391 Collagen/hyaluronan based hydrogels releasing sulfated hyaluronan improve dermal wound healing in diabetic mice via reducing inflammatory macrophage activity. **2021**, 6, 4342-4359 17
- 390 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
- 389 Combination of mesenchymal stromal cells and machine perfusion is a novel strategy for organ preservation in solid organ transplantation. **2021**, 384, 13-23 1
- 388 Mesenchymal stem cell-mediated immunomodulation of recruited mononuclear phagocytes during acute lung injury: a high-dimensional analysis study. **2021**, 11, 2232-2246 5
- 387 Harnessing Dental Stem Cell Immunoregulation Using Cell-Laden Biomaterials. **2021**, 100, 568-575 2
- 386 Mesenchymal stem cells and exosomes in tissue regeneration and remodeling. **2021**, 159-185
- 385 Challenging inflammatory process at molecular, cellular and in vivo levels via some new pyrazolyl thiazolones. **2021**, 36, 669-684 2
- 384 Macrophage-Derived Inflammation Induces a Transcriptome Makeover in Mesenchymal Stromal Cells Enhancing Their Potential for Tissue Repair. **2021**, 22, 3
- 383 Mesenchymal stromal cells reprogram monocytes and macrophages with processing bodies. **2021**, 39, 115-128 7
- 382 Macrophages at the nexus of mesenchymal stromal cell potency: The emerging role of chemokine cooperativity. **2021**, 39, 1145-1154 13
- 381 Wharton's Jelly-Derived Mesenchymal Stromal Cells as Immunoregulatory Cells. **2013**, 87-105 1
- 380 Stem Cell Delivery Methods and Routes. **2011**, 47-68 1
- 379 Mesenchymal Stromal Cells: Latest Advances. **2011**, 53-74 1

378	Interactions of Mycobacterium tuberculosis with Human Mesenchymal Stem Cells. 2019 , 95-111	1
377	Preclinical Evidence for the Role of Stem/Stromal Cells in Targeting ARDS. 2019 , 199-217	3
376	The Safety and Efficiency of Addressing ARDS Using Stem Cell Therapies in Clinical Trials. 2019 , 219-238	3
375	The Potential of Factors Released from Mesenchymal Stromal Cells as Therapeutic Agents in the Lung. 2019 , 57-70	1
374	DAMP-Promoted Efferent Innate Immune Responses in Human Diseases: Inflammation. 2020 , 151-209	1
373	Detrimental Cross-Talk Between Sepsis and Acute Kidney Injury: New Pathogenic Mechanisms, Early Biomarkers and Targeted Therapies. 2016 , 91-109	1
372	Stem Cells for the Prevention of Bronchopulmonary Dysplasia. 2016 , 299-313	4
371	Immunomodulatory Properties of Stem Cells Derived from Dental Tissues. 2016 , 29-45	2
370	Mesenchymal Stem Cells in Wound Repair, Tissue Homeostasis, and Aging. 2015 , 287-318	3
369	A Historical Overview and Concepts of Mesenchymal Stem Cells. 2013 , 3-15	2
368	Mesenchymal Stem Cells for Stroke Therapy. 2017 , 107-132	1
367	Cutaneous burn diminishes beneficial effect of intravenously administered mesenchymal stem cells on acute lung injury induced by smoke inhalation in sheep. 2020 , 46, 1914-1923	3
366	CCL2 and CXCL12 Derived from Mesenchymal Stromal Cells Cooperatively Polarize IL-10+ Tissue Macrophages to Mitigate Gut Injury. 2020 , 30, 1923-1934.e4	44
365	Biomaterials and extracellular vesicles in cell-free therapy for bone repair and regeneration: Future line of treatment in regenerative medicine. 2020 , 12, 100736	7
364	Cell-based therapy for acute lung injury: are we there yet?. 2012 , 116, 1189-91	7
363	Carbon Monoxide Improves Efficacy of Mesenchymal Stromal Cells During Sepsis by Production of Specialized Proresolving Lipid Mediators. 2016 , 44, e1236-e1245	46
362	Immunomodulatory and Therapeutic Effects of Mesenchymal Stem Cells on Organ Dysfunction in Sepsis. 2021 , 55, 423-440	9
361	Mesenchymal Stem/Stromal Cells Increase Cardiac miR-187-3p Expression in a Polymicrobial Animal Model of Sepsis. 2021 , 56, 133-141	4

360	Stromal Heterogeneity in the Proliferative Endometrial Functionalis - A single-cell approach.	1
359	Mapping Structure and Biological Functions within Mesenchymal Bodies using Microfluidics.	1
358	Substance P enhances the therapeutic effect of MSCs by modulating their angiogenic potential. 2020 , 24, 12560-12571	2
357	Strategies to retain properties of bone marrow-derived mesenchymal stem cells ex vivo. 2017 , 1409, 3-17	18
356	Substrate Stiffness Modulates the Crosstalk Between Mesenchymal Stem Cells and Macrophages. 2021 , 143,	5
355	Mesenchymal stromal cells induce distinct myeloid-derived suppressor cells in inflammation. 2020 , 5,	8
354	Intrathecal bone marrow stromal cells inhibit neuropathic pain via TGF- β secretion. 2015 , 125, 3226-40	111
353	Umbilical cord-matrix stem cells induce the functional restoration of vascular endothelial cells and enhance skin wound healing in diabetic mice via the polarized macrophages. 2020 , 11, 39	22
352	Cell-Based Products: Allogeneic. 2016 , 101-112	2
351	Radiation rescue: mesenchymal stromal cells protect from lethal irradiation. 2011 , 6, e14486	84
350	Bone marrow stromal cell transplantation mitigates radiation-induced gastrointestinal syndrome in mice. 2011 , 6, e24072	96
349	Bone marrow derived mesenchymal stem cells inhibit inflammation and preserve vascular endothelial integrity in the lungs after hemorrhagic shock. 2011 , 6, e25171	106
348	TLR9 agonist protects mice from radiation-induced gastrointestinal syndrome. 2012 , 7, e29357	59
347	Intraperitoneal but not intravenous cryopreserved mesenchymal stromal cells home to the inflamed colon and ameliorate experimental colitis. 2012 , 7, e33360	96
346	Activation of regulatory T cells during inflammatory response is not an exclusive property of stem cells. 2012 , 7, e35512	11
345	Monocytes induce STAT3 activation in human mesenchymal stem cells to promote osteoblast formation. 2012 , 7, e39871	158
344	Therapeutic effects of human mesenchymal stem cells in Wistar-Kyoto rats with anti-glomerular basement membrane glomerulonephritis. 2013 , 8, e67475	14
343	Mesenchymal stromal (stem) cell therapy fails to improve outcomes in experimental severe influenza. 2013 , 8, e71761	38

342	Gene expression changes in the injured spinal cord following transplantation of mesenchymal stem cells or olfactory ensheathing cells. 2013 , 8, e76141	34
341	Adipose tissue-derived mesenchymal stem cells increase skin allograft survival and inhibit Th-17 immune response. 2013 , 8, e76396	38
340	Quantification of Mesenchymal Stem Cell (MSC) delivery to a target site using in vivo confocal microscopy. 2013 , 8, e78145	15
339	Keratinocyte growth factor gene delivery via mesenchymal stem cells protects against lipopolysaccharide-induced acute lung injury in mice. 2013 , 8, e83303	43
338	Critical role of TLR2 and MyD88 for functional response of macrophages to a group IIA-secreted phospholipase A2 from snake venom. 2014 , 9, e93741	20
337	An obligatory role of NF- κ B in mediating bone marrow derived endothelial progenitor cell recruitment and proliferation following endotoxemic multiple organ injury in mice. 2014 , 9, e111087	3
336	Unique regulatory properties of mesangial cells are genetically determined in the rat. 2014 , 9, e111452	3
335	Crucial role of IL1beta and C3a in the in vitro-response of multipotent mesenchymal stromal cells to inflammatory mediators of polytrauma. 2015 , 10, e0116772	30
334	Efficacy of Mesenchymal Stromal Cell Therapy for Acute Lung Injury in Preclinical Animal Models: A Systematic Review. 2016 , 11, e0147170	77
333	Molecular Characterization of E-Type Prostanoid Receptor 4 (EP4) from Ayu (<i>Plecoglossus altivelis</i>) and Its Functional Analysis in the Monocytes/Macrophages. 2016 , 11, e0147884	6
332	Comparative Ability of Mesenchymal Stromal Cells from Different Tissues to Limit Neutrophil Recruitment to Inflamed Endothelium. 2016 , 11, e0155161	31
331	Cardiosphere-Derived Cells Facilitate Heart Repair by Modulating M1/M2 Macrophage Polarization and Neutrophil Recruitment. 2016 , 11, e0165255	24
330	Intrapancreatic injection of human bone marrow-derived mesenchymal stem/stromal cells alleviates hyperglycemia and modulates the macrophage state in streptozotocin-induced type 1 diabetic mice. 2017 , 12, e0186637	8
329	Annexin A2 Modulates ROS and Impacts Inflammatory Response via IL-17 Signaling in Polymicrobial Sepsis Mice. 2016 , 12, e1005743	42
328	Attenuation of Postischemic Genomic Alteration by Mesenchymal Stem Cells: a Microarray Study. 2016 , 39, 337-44	4
327	Effects of Mesenchymal Stem Cell Derivatives on Hematopoiesis and Hematopoietic Stem Cells. 2017 , 7, 165-177	26
326	Mesenchymal stem cells rejuvenate cardiac muscle through regulating macrophage polarization. 2019 , 11, 3900-3908	13
325	Mesenchymal stem cells and macrophages interact through IL-6 to promote inflammatory breast cancer in pre-clinical models. 2016 , 7, 82482-82492	57

324	LIGHT/TNFSF14 increases osteoclastogenesis and decreases osteoblastogenesis in multiple myeloma-bone disease. 2014 , 5, 12950-67	47
323	Rationale and design of the allogeneic human mesenchymal stem cells (hMSC) in patients with aging frailty via intravenous delivery (CRATUS) study: A phase I/II, randomized, blinded and placebo controlled trial to evaluate the safety and potential efficacy of allogeneic human mesenchymal stem cell infusion in patients with aging frailty. 2016 , 7, 11899-912	29
322	Activation of mesenchymal stem cells by macrophages promotes tumor progression through immune suppressive effects. 2016 , 7, 20934-44	32
321	Tendon Regeneration in Human and Equine Athletes. 2012 , 42, 871	2
320	Hepatocyte Growth Factor Secreted from Human Adipose-Derived Stem Cells Inhibits Fibrosis in Hypertrophic Scar Fibroblasts. 2020 , 20, 558-571	11
319	Mesenchymal Stem Cells of Dental Origin-Their Potential for Antiinflammatory and Regenerative Actions in Brain and Gut Damage. 2016 , 14, 914-934	16
318	Inflammatory Cytokines and Biodegradable Scaffolds in Dental Mesenchymal Stem Cells Priming. 2019 , 14, 320-326	4
317	Sepsis: From Historical Aspects to Novel Vistas. Pathogenic and Therapeutic Considerations. 2019 , 19, 490-502	8
316	Anti-inflammatory Effects of Oct4/Sox2-overexpressing Human Adipose Tissue-derived Mesenchymal Stem Cells. 2017 , 31, 349-356	16
315	Stemness specificity of epithelial cells Application of cell and tissue technology in regenerative medicine. 2018 , 6, 114-119	1
314	The beneficial effects of varicella zoster virus. 2019 , 3, 016-049	4
313	Clinical translation of stem cell therapy in traumatic brain injury: the potential of encapsulated mesenchymal cell biodelivery of glucagon-like peptide-1. 2011 , 13, 279-86	35
312	Reduction of Inflammation and Enhancement of Motility after Pancreatic Islet Derived Stem Cell Transplantation Following Spinal Cord Injury. 2019 , 62, 153-165	2
311	Mesenchymal stem cells - a promising therapy for Acute Respiratory Distress Syndrome. 2012 , 4, 2	19
310	Systemic Delivery of IL-10 by Bone Marrow Derived Stromal Cells Has Therapeutic Benefits in Sepsis Therapy*. 2010 , 37, 678-685	7
309	Prophylactic uses of integrin CD18-betaA peptide in a murine polymicrobial peritonitis model. 2010 , 16, 2648-56	3
308	Intravenous injection of mesenchymal stem cells is effective in treating liver fibrosis. 2012 , 18, 1048-58	102
307	Rationale for the potential use of mesenchymal stromal cells in liver transplantation. 2014 , 20, 16418-32	16

306	Mesenchymal stromal cell-based therapy: Regulatory and translational aspects in gastroenterology. 2016 , 22, 9057-9068	9
305	Acute respiratory distress syndrome: new definition, current and future therapeutic options. 2013 , 5, 326-34	105
304	Stem cell therapy: a novel & futuristic treatment modality for disaster injuries. 2012 , 135, 15-25	15
303	Mesenchymal stem cells and the neuronal microenvironment in the area of spinal cord injury. 2019 , 14, 227-237	40
302	Fast-tracking regenerative medicine for traumatic brain injury. 2020 , 15, 1179-1190	9
301	Stem Cell Therapy of Ischemic Heart Disease. 2016 , 09, 191-215	1
300	Rat model of anal sphincter injury and two approaches for stem cell administration. 2018 , 10, 1-14	11
299	Mesenchymal stromal cells as potential immunomodulatory players in severe acute respiratory distress syndrome induced by SARS-CoV-2 infection. 2020 , 12, 731-751	11
298	Role of mesenchymal stem cell derived extracellular vesicles in autoimmunity: A systematic review. 2020 , 12, 879-896	12
297	Progenitor cells as remote "bioreactors": neuroprotection via modulation of the systemic inflammatory response. 2011 , 3, 9-18	22
296	Mesenchymal stem cells as a therapeutic tool to treat sepsis. 2015 , 7, 368-79	65
295	Immunomodulation by mesenchymal stem cells: Interplay between mesenchymal stem cells and regulatory lymphocytes. 2016 , 8, 268-78	52
294	The activation of NLRP3 inflammasome potentiates the immunomodulatory abilities of mesenchymal stem cells in a murine colitis model. 2020 , 53, 329-334	7
293	Transplanting of mesenchymal stem cells may affect proliferation and function of CD4(+)T cells in experimental autoimmune encephalomyelitis. 2012 , 10, 492-500	11
292	Role of Mesenchymal Stem Cells Transfected With Vascular Endothelial Growth Factor in Maintaining Renal Structure and Function in Rats with Unilateral Ureteral Obstruction. 2015 , 13, 262-72	4
291	Regulation of S1P receptors and sphingosine kinases expression in acute pulmonary endothelial cell injury. 2016 , 4, e2712	8
290	Comparison of therapeutic effects of different mesenchymal stem cells on rheumatoid arthritis in mice. 2019 , 7, e7023	21
289	Multipotent stromal cells: One name, multiple identities. 2021 , 28, 1690-1707	5

- 288 Mesenchymal stromal cells: Putative microenvironmental modulators become cell therapy. **2021**, 28, 1708-1725 12
- 287 Mesenchymal stem cell treatment improves outcome of COVID-19 patients via multiple immunomodulatory mechanisms. **2021**, 31, 1244-1262 10
- 286 Dissecting the relationship between antimicrobial peptides and mesenchymal stem cells. **2021**, 108021 2
- 285 Mesenchymal Stromal Cells: an Antimicrobial and Host-Directed Therapy for Complex Infectious Diseases. **2021**, e0006421 0
- 284 Mechanisms of stem cells action: reality and hypotheses. **2021**, 8, 71-78
- 283 Calcium silicate enhances immunosuppressive function of MSCs to indirectly modulate the polarization of macrophages. **2021**, 8, rbab056 2
- 282 Repair of acute respiratory distress syndrome by stromal cell administration (REALIST) trial: A phase 1 trial. **2021**, 41, 101167 5
- 281 Mesenchymal Stem Cells for Acute Lung Injury. **2010**, 121-140
- 280 Chapter 18:Homing of Mesenchymal Stromal Cells. **2010**, 366-377
- 279 Spinal Cord Injury Pathophysiology and Progenitor Cell Therapy. **2011**, 163-180
- 278 Mesenchymal Stromal Cells: An Emerging Cell-Based Pharmaceutical. **2011**, 127-148
- 277 Targeted Therapies in Autoimmune and Inflammatory Skin Disorders. **2011**, 537-570
- 276 Treatment of Ischemia/Reperfusion Injury of the Kidney with Mesenchymal Stromal Cells. **2012**, 241-250
- 275 Mesenchymal Stem Cells: Possibilities of New Treatment Options. **2012**, 59-67 1
- 274 The Immunosuppressive Properties of Adult Stem Cells: Mesenchymal Stem Cells as a Case Study. **2013**, 175-197
- 273 MSCs for Gastrointestinal Disorders. **2013**, 529-540
- 272 MSCs for Treatment of Acute Lung Injury. **2013**, 561-570
- 271 MSCs: Changing Hypotheses, Paradigms, and Controversies on Mechanisms of Action in Repairing Tissues. **2013**, 17-42

- 270 Mesenchymal Stem/Stromal Cells: Opportunities and Obstacles in ARDS. **2013**, 467-480
- 269 Lung. **2013**, 861-879
- 268 Mesenchymal Stromal/Stem Cell Transplantation: From Tissue Regeneration to Immune Modulation. **2013**, 391-397
- 267 Optimizing Stem Cell Therapy for Cardiac Repair Following a Myocardial Infarction. **2013**, 513-524
- 266 Pediatric Diseases and Stem Cells: Recent Advances and Challenges. **2013**, 125-158
- 265 Late infusion of cloned marrow fibroblasts stimulates endogenous recovery from radiation-induced lung injury. **2013**, 8, e57179 1
- 264 Mesenchymal Stromal Cells as Effective Tumor Antigen-Presenting Cells in Cancer Therapeutics. 127-143
- 263 Approaches to the Induction of Tolerance. **2014**, 339-359
- 262 Stem Cells in Infection and Sepsis. **2014**, 251-263
- 261 Treatment of Necrotizing Enterocolitis (NEC) with Amniotic Fluid Stem Cells. **2014**, 27-42
- 260 Immunomodulation of mesenchymal stem/stromal cells for the onset of cGVHD. **2015**, 35, 233-237
- 259 Challenges of Cell Therapy for Lung Diseases and Critical Illnesses. **2015**, 93-112
- 258 Stem Cell Therapy for GVHD. **2015**, 361-389 0
- 257 Immunomodulators. **2015**, 581-590.e4
- 256 Stem Cell Therapies for Post-Traumatic Arthritis. **2015**, 343-348
- 255 Modes d'actions paracrines des Cellules Stromales Mésenchymateuses. **2015**, 199, 501-514
- 254 Signature of Responders—Lessons from Clinical Samples. **2016**, 445-460
- 253 Immunogenicity and Immunomodulation of Fetal Stem Cells. **2016**, 57-79

252 Stem Cell Therapy for Autoimmune Disease. **2017**, 225-248

251 All Aboard. **2017**, 475-499

1

250 Mesenchymal Stem Cell Transplantation for Kidney Diseases. **2017**, 169-191

249 The Inflammatory Environment and Its Effects on Mesenchymal Stem/Stromal Cells. **2017**, 449-474

248 Mesenchymal Stromal Cells to Improve Solid Organ Transplant Outcome: Lessons From the Initial Clinical Trials. **2017**, 319-331

247 Gingiva as a source of stromal cells with high differentiating and reparative potential. **2017**, XII,

246 Effects of inhalation and intravenous administration of allogeneic mesenchymal bone marrow stromal cells in a bleomycin-induced model of pulmonary fibrosis in rabbits. **2018**, 19, 88-96

245 El potencial terapéutico del secretoma de las células troncales. **2018**, 31, 36-47

o

244 Hambatan Mesenchymal Stem Cell Terhadap Proliferasi Limfosit T. **2019**, 20, 212

243 Comparison of the Regenerative Potential for Lung Tissue of Mesenchymal Stromal Cells from Different Sources/Locations Within the Body. **2019**, 35-55

242 Clinical Application of Stem/Stromal Cells in COPD. **2019**, 97-118

241 Mesenchymal stem cells (MSCs) offer a drug tolerant and immune-privileged niche to Mycobacterium tuberculosis.

240 Mesenchymal Stem (Stromal) Cell Communications in Their Niche and Beyond: The Role of Extra Cellular Vesicles and Organelle Transfer in Lung Regeneration. **2019**, 229-229

239 Transplantation of Bone Marrow-Derived Mesenchymal Stem Cells Preserve the Salivary Glands Structure after Head and Neck Radiation in Rats. **2019**, 7, 1588-1592

2

238 Mesenchymal stem cells suppress leukemia via macrophage-mediated functional restoration of bone marrow microenvironment.

237 Preconditioning with repetitive electromagnetic stimulation enhances activity of bone marrow mesenchymal stem cells from elderly patients through Erk1/2 via nitric oxide. **2020**, 45, 678-686

o

236 Application of Stem Cell-Derived Extracellular Vesicles in Allergic Airway Diseases. **2020**, 27, 1-7

235 Assessment of Immune Reconstitution Following Hematopoietic Stem Cell Transplantation.

234	Conditioned Medium of Mesenchymal Stem Cells Pulsed with Theobromine Can Instruct Anti-Inflammatory Neutrophils. 2020 , 22,	0
233	Protective effect and mechanism of mesenchymal stem cells on heat stroke induced intestinal injury. 2020 , 20, 3041-3050	0
232	Effects of Endurance Training, Hyaluronic Acid and Stem Cell Treatments on the Quadriceps Muscle Fiber Count: Study on the Knee Osteoarthritis Rats. 2020 , 9,	
231	Neuroinflammation in Primary Cultures of the Rat Spinal Dorsal Horn Is Attenuated in the Presence of Adipose Tissue-Derived Medicinal Signalling Cells (AdMSCs) in a Co-cultivation Model. 2021 , 1	0
230	Therapeutic Advantage of Tyk2 Inhibition for Treating Autoimmune and Chronic Inflammatory Diseases. 2021 , 44, 1585-1592	2
229	Gene regulation of intracellular adhesion molecule-1 (ICAM-1): A molecule with multiple functions. 2021 , 240, 123-136	3
228	Lipidmediatoren und ihre Rolle bei Entzündungen und Allergien. 2020 , 185-245	1
227	PUFAs and Their Metabolites in Carcinogenesis. 2020 , 159-179	
226	Physoxia alters human mesenchymal stem cell secretome. 2021 , 12, 20417314211056132	0
225	Mesenchymal stem cells in cancer progression and anticancer therapeutic resistance. 2021 , 21, 595	1
224	The Inflammatory Lung Microenvironment; a Key Mediator in MSC Licensing. 2021 , 10,	1
223	Introduction to Stem Cell Therapy and Its Application in Vascular Diseases. 2021 , 1-32	1
222	Ischemic preconditioning potentiates the protective effect of mesenchymal stem cells on endotoxin-induced acute lung injury in mice through secretion of exosome. 2015 , 8, 3825-32	32
221	Transplantation of umbilical cord mesenchymal stem cells via different routes in rats with acute liver failure. 2015 , 8, 15854-62	9
220	Effect of bone marrow mesenchymal stem cells transplantation on the serum and liver HMGB1 expression in rats with acute liver failure. 2015 , 8, 15985-92	10
219	Human mesenchymal stem cells attenuate experimental bronchopulmonary dysplasia induced by perinatal inflammation and hyperoxia. 2016 , 8, 342-53	33
218	Therapeutic effects of human amnion-derived mesenchymal stem cell transplantation and conditioned medium enema in rats with trinitrobenzene sulfonic acid-induced colitis. 2017 , 9, 940-952	21
217	Mesenchymal Stem Cell Therapy on Tendon/Ligament Healing. 2017 , 2,	9

216	Stem cell therapy in chronic obstructive pulmonary disease. How far is it to the clinic?. 2018 , 7, 56-71	9
215	The protective effects of bone mesenchymal stem cells on paraquat-induced acute lung injury via the muc5b and ERK/MAPK signaling pathways. 2019 , 11, 3707-3721	8
214	Immunomodulatory Activity of Human Bone Marrow and Adipose-Derived Mesenchymal Stem Cells Prolongs Allogenic Skin Graft Survival in Nonhuman Primates. 2021 , 23, 1-13	
213	Extracellular Vesicles and Alveolar Epithelial-Capillary Barrier Disruption in Acute Respiratory Distress Syndrome: Pathophysiological Role and Therapeutic Potential. 2021 , 12, 752287	1
212	Regulation of the mesenchymal stem cell fate by interleukin-17: Implications in osteogenic differentiation.. 2021 , 13, 1696-1713	0
211	Synovial macrophages in cartilage destruction and regeneration-lessons learnt from osteoarthritis and synovial chondromatosis. 2021 , 17,	3
210	Regulation of the mesenchymal stem cell fate by interleukin-17: Implications in osteogenic differentiation. 2021 , 13, 1699-1716	
209	Mesenchymal stromal cell apoptosis is required for their therapeutic function. 2021 , 12, 6495	11
208	Fresh and Cryopreserved Human Umbilical-Cord-Derived Mesenchymal Stromal Cells Attenuate Injury and Enhance Resolution and Repair following Ventilation-Induced Lung Injury. 2021 , 22,	1
207	Neuroinflammation and Scarring After Spinal Cord Injury: Therapeutic Roles of MSCs on Inflammation and Glial Scar.. 2021 , 12, 751021	1
206	Insights into stem cell therapy for premature ovarian insufficiency. 2021 , 5, 237	
205	Safety and preliminary efficacy of allogeneic bone marrow-derived multipotent mesenchymal stromal cells for systemic sclerosis: a single-centre, open-label, dose-escalation, proof-of-concept, phase 1/2 study. 2022 ,	1
204	The immunomodulatory potential of murine adipose-derived mesenchymal stem cells is enhanced following culture on chitosan film.. 2021 , 74, 101709	
203	Hypoxia, Serum Starvation, and TNF- α Can Modify the Immunomodulation Potency of Human Adipose-Derived Stem Cells. 2021 ,	0
202	Regulatory Role of Mesenchymal Stem Cells on Secondary Inflammation in Spinal Cord Injury.. 2022 , 15, 573-593	0
201	Overexpression of interleukin-10 in engineered macrophages protects endothelial cells against LPS-induced injury in vitro.. 2022 ,	
200	Effect of Bone Marrow Mesenchymal Stromal Cell Therapies in Rodent Models of Sepsis: A Meta-Analysis.. 2021 , 12, 792098	
199	Pulmonary Mesenchymal Stem Cells in Mild Cases of COVID-19 Are Dedicated to Proliferation; In Severe Cases, They Control Inflammation, Make Cell Dispersion, and Tissue Regeneration.. 2021 , 12, 780900	2

198	Human Umbilical Cord Mesenchymal Stem Cells Promote Macrophage PD-L1 Expression and Attenuate Acute Lung Injury in Mice.. 2022 ,	0
197	Human Hair Follicle-Derived Mesenchymal Stromal Cells from the Lower Dermal Sheath as a Competitive Alternative for Immunomodulation.. 2022 , 10,	1
196	Comparative Effects of Bone Marrow-derived Versus Umbilical Cord Tissue Mesenchymal Stem Cells in an Experimental Model of Bronchopulmonary Dysplasia.. 2022 , 11, 189-199	0
195	Overexpression of S100A9 in obesity impairs macrophage differentiation via TLR4-NFkB-signaling worsening inflammation and wound healing.. 2022 , 12, 1659-1682	1
194	MSCs in Space: Mesenchymal Stromal Cell Therapeutics as Enabling Technology for Long-Distance Manned Space Travel. 2022 , 8, 1	2
193	Comparison of Single and Repeated Dosing of Anti-Inflammatory Human Umbilical Cord Mesenchymal Stromal Cells in a Mouse Model of Polymicrobial Sepsis.. 2022 , 1	0
192	Adipose-Derived Stem Cell-Incubated HA-Rich Sponge Matrix Implant Modulates Oxidative Stress to Enhance VEGF and TGF- Secretions for Extracellular Matrix Reconstruction .. 2022 , 2022, 9355692	1
191	Protease Activated Receptors: A Pathway to Boosting Mesenchymal Stromal Cell Therapeutic Efficacy in Acute Respiratory Distress Syndrome?. 2022 , 23,	
190	Human MuStem cells repress T-cell proliferation and cytotoxicity through both paracrine and contact-dependent pathways.. 2022 , 13, 7	
189	Stem cells or their exosomes: which is preferred in COVID-19 treatment?. 2022 , 1	1
188	Stem cell therapy applied for digestive anastomosis: Current state and future perspectives.. 2022 , 14, 117-141	
187	Mesenchymal stem/stromal cell-based therapies for COVID-19: First iteration of a living systematic review and meta-analysis: MSCs and COVID-19.. 2022 ,	0
186	Mesenchymal Stem Cell-Immune Cell Interaction and Related Modulations for Bone Tissue Engineering.. 2022 , 2022, 7153584	2
185	Blood Bacteria-Free DNA in Septic Mice Enhances LPS-Induced Inflammation in Mice through Macrophage Response.. 2022 , 23,	3
184	Ibuprofen in Therapeutic Concentrations Affects the Secretion of Human Bone Marrow Mesenchymal Stromal Cells, but Not Their Proliferative and Migratory Capacity.. 2022 , 12,	1
183	Clinical Manufacturing of Human Mesenchymal Stromal Cells using a Potency-Driven Paradigm. 1	0
182	Arachidonic Acid as Mechanotransducer of Renin Cell Baroreceptor.. 2022 , 14,	2
181	Bone marrow mesenchymal stem cells protect lungs from smoke inhalation injury by differentiating into alveolar epithelial cells via Notch signaling. 2019 , 44,	4

- 180 Mesenchymal Stem Cells: A Novel Therapy for the Treatment of Bovine Mastitis. **2021**, 223-239
- 179 Mesenchymal Stem Cells: Potential Role against Bacterial Infection. **2022**, 10, 97-113
- 178 Stem Cells in Wound Healing and Scarring. **2022**, 1-25
- 177 Mesenchymal stem cells, secretome and biomaterials in in-vivo animal models: Regenerative medicine application in cutaneous wound healing. **2022**, 46, 1-12 0
- 176 Fracture Healing in the Setting of Endocrine Diseases, Aging, and Cellular Senescence.. **2022**, 2
- 175 Mesenchymal stem cells augment regulatory T cell function via CD80-mediated interactions and promote allograft survival.. **2022**, 0
- 174 Preventive Effects of a Human Hematopoietic Mesenchymal Stem Cell (hMESC) Therapy in Ovalbumin-Induced Food Allergy.. **2022**, 10, 0
- 173 Galectin-9 Mediates the Therapeutic Effect of Mesenchymal Stem Cells on Experimental Endotoxemia.. **2022**, 10, 700702 0
- 172 Intravenous injection of SDF-1 α overexpressing bone marrow mesenchymal stem cells has a potential protective effect on myocardial ischemia in mice.. **2022**,
- 171 A single-cell atlas of the myometrium in human parturition.. **2022**, 7, 3
- 170 Mesenchymal Stromal Cells for Enhancing Hematopoietic Engraftment and Treatment of Graft-Versus-Host Disease, Hemorrhages and Acute Respiratory Distress Syndrome.. **2022**, 13, 839844 2
- 169 Amniotic membrane mesenchymal stem cells-based therapy improves Bmi-1-deficient mandible osteoporosis through stimulating osteoblastic bone formation and inhibiting osteoclastic bone resorption.. **2022**,
- 168 Investigating the Immunomodulatory Potential of Dental Pulp Stem Cell Cultured on Decellularized Bladder Hydrogel towards Macrophage Response In Vitro.. **2022**, 8, 1
- 167 Safety and efficacy of autologous, adipose-derived mesenchymal stem cells in patients with rheumatoid arthritis: a phase I/IIa, open-label, non-randomized pilot trial.. **2022**, 13, 88 1
- 166 Mesenchymal Stromal Cell-Derived Extracellular Vesicles for Neonatal Lung Disease: Tiny Particles, Major Promise, Rigorous Requirements for Clinical Translation.. **2022**, 11, 1
- 165 Effects of Adipose-Derived Stem Cells and Their Conditioned Medium in a Human Ex Vivo Wound Model.. **2022**, 11, 3
- 164 Autophagy Reprogramming Stem Cell Pluripotency and Multiple-lineage Differentiation.. **2022**, 0
- 163 From hurdle to springboard: The macrophage as target in biomaterial-based bone regeneration strategies.. **2022**, 116389 1

162	Essential Fatty Acids and Their Metabolites in the Pathobiology of Inflammation and Its Resolution.. 2021 , 11,	4
161	Mesenchymal-Stromal Cell-like Melanoma-Associated Fibroblasts Increase IL-10 Production by Macrophages in a Cyclooxygenase/Indoleamine 2,3-Dioxygenase-Dependent Manner.. 2021 , 13,	1
160	Short-Term Autophagy Preconditioning Upregulates the Expression of COX2 and PGE2 and Alters the Immune Phenotype of Human Adipose-Derived Stem Cells In Vitro.. 2022 , 11,	0
159	NSAIDs Reduce Therapeutic Efficacy of Mesenchymal Stromal Cell Therapy in a Rodent Model of Posttraumatic Osteoarthritis.. 2022 , 50, 1389-1398	
158	Neural circuits mediating circulating interleukin-1 β -evoked fever in the absence of prostaglandin E2 production.. 2022 ,	1
157	Image_1.tif. 2018 ,	
156	Image_10.tiff. 2018 ,	
155	Image_11.tiff. 2018 ,	
154	Image_12.tiff. 2018 ,	
153	Image_13.tiff. 2018 ,	
152	Image_2.tif. 2018 ,	
151	Image_3.tif. 2018 ,	
150	Image_4.tif. 2018 ,	
149	Image_5.tif. 2018 ,	
148	Image_6.tif. 2018 ,	
147	Image_7.tiff. 2018 ,	
146	Image_8.tiff. 2018 ,	
145	Image_9.tiff. 2018 ,	

144 DataSheet_1.pdf. **2020**,

143 Image_1.PDF. **2020**,

142 Table_1.DOCX. **2020**,

141 Table_2.DOCX. **2020**,

140 Data_Sheet_1.pdf. **2020**,

139 Data_Sheet_1.DOCX. **2020**,

138 DataSheet_1.pdf. **2021**,

137 Image_1.tiff. **2021**,

136 Image_2.tiff. **2021**,

135 Image_3.tiff. **2021**,

134 Image_1.TIFF. **2019**,

133 Image_2.TIFF. **2019**,

132 Image_3.TIFF. **2019**,

131 Image_1.JPEG. **2019**,

130 Data_Sheet_1.docx. **2018**,

129 Image_1.tif. **2018**,

128 Image_2.pdf. **2018**,

127 Image_1.TIF. **2019**,

126 Data_Sheet_1.PDF. **2019**,

125 Data_Sheet_1.PDF. **2019**,

124 Table_1.docx. **2019**,

123 DataSheet_1.pdf. **2019**,

122 Data_Sheet_1.xlsx. **2019**,

121 Mesenchymal Stem Cell Treatment Restores Liver Macrophages Homeostasis to Alleviate Mouse Acute Liver Injury Revealed by Single-cell Analysis.. **2022**, 106229 0

120 Immunomodulatory properties of mesenchymal stem cells and hematopoietic stem cellsPotential therapeutic target for COVID-19. **2022**, 95-109 0

119 Cells-Micropatterning Biomaterials for Immune Activation and Bone Regeneration.. **2022**, e2200670 2

118 pcMSC Modulates Immune Dysregulation in Patients With COVID-19-Induced Refractory Acute Lung Injury.. **2022**, 13, 871828 0

117 Embedding MSCs in Si-HPMC hydrogel decreased MSC-directed host immune response and increased the regenerative potential of macrophages. 1

116 Hypoxia pretreatment enhances the therapeutic potential of mesenchymal stem cells (BMSCs) on ozone-induced lung injury in rats.. **2022**, 1

115 The Impact of Cytokines on Neutrophils' Phagocytosis and NET Formation during Sepsis-A Review.. **2022**, 23, 1

114 Mesenchymal stem cell treatment for enteric neuropathy in the Winnie mouse model of spontaneous chronic colitis.. **2022**, 1

113 Prenatal administration of multipotent adult progenitor cells modulates the systemic and cerebral immune response in an ovine model of chorioamnionitis. **2022**, 100458

112 Pathophysiology in patients with polytrauma.. **2022**, 2

111 Structural and Temporal Dynamics of Mesenchymal Stem Cells in Liver Diseases From 2001 to 2021: A Bibliometric Analysis. **2022**, 13, 0

110 Immunomodulatory properties of mesenchymal stromal/stem cells: the link with metabolism. **2022**, 1

109 A Case-Control Study of Continuous Veno-Venous Hemofiltration Combined with Xuebijing Injection in the Treatment of Severe Sepsis. **2022**, 2022, 1-8

108	Enhancing the Therapeutic Potential of Mesenchymal Stromal Cell-Based Therapies with an Anti-Fibrotic Agent for the Treatment of Chronic Kidney Disease. 2022 , 23, 6035	1
107	Macrophage depletion alters bacterial gut microbiota partly through fungal overgrowth in feces that worsens cecal ligation and puncture sepsis mice. 2022 , 12,	2
106	Mesenchymal Stem Cell Application and Its Therapeutic Mechanisms in Intracerebral Hemorrhage. 16,	0
105	Activated Mesenchymal Stromal Cell Therapy for Treatment of Multi-Drug Resistant Bacterial Infections in Dogs. 9,	0
104	Secondary Lymphoid Organs in Mesenchymal Stromal Cell Therapy: More Than Just a Filter. 13,	0
103	Pro- and anti-inflammatory bioactive lipids imbalance contributes to the pathobiology of autoimmune diseases.	1
102	Equine platelet lysate gel: a matrix for mesenchymal stem cell delivery.	
101	Possible Effect of the use of Mesenchymal Stromal Cells in the Treatment of Autism Spectrum Disorders: A Review. 10,	
100	Prophylactic administration of human amniotic fluid stem cells suppresses inflammation-induced preterm birth via macrophage polarization.	
99	Advances in the Regulation of Macrophage Polarization by Mesenchymal Stem Cells and Implications for ALI/ARDS Treatment. 13,	0
98	Translating MSC Therapy in the Age of Obesity. 13,	1
97	Notch-activated mesenchymal stromal/stem cells enhance the protective effect against acetaminophen-induced acute liver injury by activating AMPK/SIRT1 pathway. 2022 , 13,	0
96	The clinical efficacy and safety of mesenchymal stromal cells for patients with COVID-19: A systematic review and meta-analysis of randomized controlled trials. 2022 , 15, 896-901	0
95	CD146 Defines a Mesenchymal Stromal Cell Subpopulation with Enhanced Suppressive Properties. 2022 , 11, 2263	
94	Perivascular Mesenchymal Stem/Stromal Cells, an Immune Privileged Niche for Viruses?. 2022 , 23, 8038	0
93	The Therapeutic Potential of Mesenchymal Stem Cells in the Treatment of Diabetes Mellitus.	0
92	Mesenchymal stem cells exert renoprotection via extracellular vesicle-mediated modulation of M2 macrophages and spleen-kidney network. 2022 , 5,	
91	Cytokine Mixtures Mimicking the Local Milieu in Patients with Inflammatory Bowel Disease Impact Phenotype and Function of Mesenchymal Stromal Cells.	1

- 90 Mesenchymal stromal cells improve the transplantation outcome of CRISPR-Cas9 gene-edited human HSPCs.. **2022**, 1
- 89 Cross-species comparisons reveal resistance of human skeletal stem cells to inhibition by non-steroidal anti-inflammatory drugs. 13, 0
- 88 Dimethyl sulfoxide-free cryopreservation solution containing trehalose, dextran 40, and propylene glycol for therapy with human adipose tissue-derived mesenchymal stromal cells. 0
- 87 Mesenchymal Stem Cells (MSCs): A Novel Therapy for Type 2 Diabetes. **2022**, 2022, 1-17 0
- 86 Liquefied Microcapsules Compartmentalizing Macrophages and Umbilical Cord-Derived Cells for Bone Tissue Engineering. 2200651 0
- 85 Immunomodulatory and Regenerative Effects of MSC-Derived Extracellular Vesicles to Treat Acute GVHD. 1
- 84 Macrophages as a therapeutic target to promote diabetic wound healing. **2022**, 0
- 83 Mesenchymal stem cells polarize macrophages to an anti-inflammatory phenotype to ameliorate diabetic nephropathy. 0
- 82 Cryopreserved allogeneic mesenchymal stem cells enhance wound repair in full thickness skin wound model and cattle clinical teat injuries. **2022**, 70, 103356 0
- 81 Engineering immunomodulatory hydrogels and cell-laden systems towards bone regeneration. **2022**, 140, 213058 0
- 80 Mesenchymal stromal cell secretome for traumatic brain injury: Focus on immunomodulatory action. **2022**, 357, 114199 0
- 79 Ferroptotic MSCs protect mice against sepsis via promoting macrophage efferocytosis. **2022**, 13, 1
- 78 Bio-distribution and longevity of mesenchymal stromal cell derived membrane particles. **2022**, 350, 642-651 0
- 77 Exosomes from adipose-derived stem cells inhibit inflammation and oxidative stress in LPS-acute kidney injury. **2022**, 420, 113332 1
- 76 Puerarin@Chitosan composite for infected bone repair through mimicking the bio-functions of antimicrobial peptides. **2023**, 21, 520-530 0
- 75 Mesenchymal Stem Cells Therapeutic Applications in Lung Disorders. **2022**, 279-296 0
- 74 Alternatives to Antibiotics against Mycobacterium abscessus. **2022**, 11, 1322 1
- 73 Liver mesenchymal stem cells are superior inhibitors of NK cell functions through differences in their secretome compared to other mesenchymal stem cells. 13, 0

72	Mesenchymal stem cell suppresses the efficacy of CAR-T toward killing lymphoma cells by modulating the microenvironment through stanniocalcin-1.	0
71	Immunomodulatory Mechanisms of Mesenchymal Stem Cells and Their Potential Clinical Applications. 2022 , 23, 10023	1
70	Study of immunomodulatory effects of mesenchymal stem cell-derived exosomes in mouse model of LPS induced systemic inflammation. 2022 , 120938	0
69	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
68	Targeting Myd88 using peptide-loaded mesenchymal stem cell membrane-derived synthetic vesicles to treat systemic inflammation. 2022 , 20,	0
67	Endogenous reparative pluripotent Muse cells with a unique immune privilege system: Hint at a new strategy for controlling acute and chronic inflammation. 13,	1
66	Herbal formula BaWeiBaiDuSan alleviates polymicrobial sepsis-induced liver injury via increasing the gut microbiota <i>Lactobacillus johnsonii</i> and regulating macrophage anti-inflammatory activity in mice. 2022 ,	0
65	Role of Mesenchymal Stem Cells and Their Paracrine Mediators in Macrophage Polarization: An Approach to Reduce Inflammation in Osteoarthritis. 2022 , 23, 13016	0
64	Bioscaffold developed with decellularized human amniotic membrane seeded with mesenchymal stromal cells: assessment of efficacy and safety profiles in a second-degree burn preclinical model.	0
63	Stem Cells in Wound Healing and Scarring. 2022 , 103-126	0
62	A New Cell Stem Concept for Pelvic Floor Disorders Prevention and Treatment. Endometrial Mesenchymal Stem Cells.	0
61	Mesenchymal stromal cells as treatment for acute respiratory distress syndrome. Case Reports following hematopoietic cell transplantation and a review. 13,	1
60	Anti-inflammatory hydrogel dressings and skin wound healing. 2022 , 12,	3
59	Mesenchymal stem cells and connective tissue diseases: From bench to bedside. 2022 ,	0
58	Cell-based therapies for neurological disorders The bioreactor hypothesis.	0
57	The antioxidant trolox inhibits aging and enhances prostaglandin E-2 secretion in mesenchymal stem cells. 2023 , 47, 385-392	0
56	Mesenchymal stromal cells and alpha-1 antitrypsin have a strong synergy in modulating inflammation.	0
55	Bone marrow-derived mesenchymal stem cells: A promising therapeutic option for the treatment of diabetic foot ulcers. 2023 , 195, 110201	0

- 54 Pretreating mesenchymal stem cells with IL-6 regulates the inflammatory response of DSS-induced ulcerative colitis in rats. **2023**, 76, 101765 ○
- 53 Immunomodulatory Effects of Mesenchymal Stem Cell-Derived Extracellular Vesicles in Allergic Airway Disease. **2022**, 12, 1994 ○
- 52 Lipopolysaccharide alters VEGF-A secretion of mesenchymal stem cells via the integrin β -PI3K-AKT pathway. ○
- 51 Mesenchymal stem cells suppressed skin and lung inflammation and fibrosis in topoisomerase I-induced systemic sclerosis associated with lung disease mouse model. ○
- 50 Effectiveness of Mesenchymal Stem Cell Therapy for COVID-19-Induced ARDS Patients: A Case Report. **2022**, 58, 1698 ○
- 49 Time course and mechanistic analysis of human umbilical cord perivascular cell mitigation of lipopolysaccharide-induced systemic and neurological inflammation. **2022**, ○
- 48 Protection of adipose-derived mesenchymal stromal cells during acute lung injury requires autophagy maintained by mTOR. **2022**, 8, ○
- 47 Tumor necrosis factor- β -primed mesenchymal stem cell-derived exosomes promote M2 macrophage polarization via Galectin-1 and modify intrauterine adhesion on a novel murine model. 13, ○
- 46 Engineered M2a macrophages for the treatment of osteoarthritis. 13, ○
- 45 Nanosilicate-functionalized nanofibrous membrane facilitated periodontal regeneration potential by harnessing periodontal ligament cell-mediated osteogenesis and immunomodulation. ○
- 44 Vertebral Bone Marrow Clot towards the Routine Clinical Scenario in Spine Surgeries: What about the Antimicrobial Properties?. **2023**, 24, 1744 ○
- 43 Extracellular vesicles from mesenchymal stem cells reduce neuroinflammation in hippocampus and restore cognitive function in hyperammonemic rats. **2023**, 20, ○
- 42 Application of thermosensitive-hydrogel combined with dental pulp stem cells on the injured fallopian tube mucosa in an animal model. 10, ○
- 41 Pretreated Mesenchymal Stem Cells and Their Secretome: Enhanced Immunotherapeutic Strategies. **2023**, 24, 1277 2
- 40 Therapeutic potential of mesenchymal stromal/stem cells in critical-care patients with systemic inflammatory response syndrome. **2023**, 13, ○
- 39 High-Dose Intravenous Ascorbate in Sepsis, a Pro-Oxidant Enhanced Microbicidal Activity and the Effect on Neutrophil Functions. **2023**, 11, 51 ○
- 38 Intraperitoneally Delivered Umbilical Cord Lining Mesenchymal Stromal Cells Improve Survival and Kidney Function in Murine Lupus via Myeloid Pathway Targeting. **2023**, 24, 365 ○
- 37 Recent advance in mesenchymal stem cells therapy for atopic dermatitis. ○

- 36 Clinically relevant mesenchymal stem/stromal cell sheet transplantation method for kidney disease;
- 35 Mesenchymal Stem Cells and Their Exocytotic Vesicles. **2023**, 24, 2085
- 34 Stem cells, organoids, and cellular therapy. **2023**, 233-263
- 33 The Pathogenetic Role of DAMPs in Severe Infectious Diseases. **2023**, 285-380
- 32 Human Umbilical Cord-Derived Mesenchymal Stem Cells Alleviate Psoriasis Through TNF- α /NF- κ B/MMP13 Pathway.
- 31 Extracellular vesicle microRNA and protein cargo profiling in three clinical-grade stem cell products reveals key functional pathways. **2023**, 32, 80-93
- 30 Biophysical cues to improve the immunomodulatory capacity of mesenchymal stem cells: The progress and mechanisms. **2023**, 162, 114655
- 29 Mesenchymal stem cells and macrophages and their interactions in tendon-bone healing. **2023**, 39, 63-73
- 28 Effect of Multipotent Mesenchymal Stromal Cells on Functional Activity of Monocyte-Derived Macrophages under Short-Term Hypoxic Stress in Vitro. **2022**, 48, 899-905
- 27 YAP-regulated type II alveolar epithelial cell differentiation mediated by human umbilical cord-derived mesenchymal stem cells in acute respiratory distress syndrome. **2023**, 159, 114302
- 26 Platelet-Rich stroma from Crohn's disease patients for treatment of perianal fistula shows a higher myeloid cell profile compared to non-IBD controls. **2023**, 67, 103039
- 25 Mesenchymal stem cells in the treatment of osteogenesis imperfecta. **2023**, 12,
- 24 The Role of COX-2 and PGE2 in the Regulation of Immunomodulation and Other Functions of Mesenchymal Stromal Cells. **2023**, 11, 445
- 23 Key Role of Mesenchymal Stromal Cell Interaction with Macrophages in Promoting Repair of Lung Injury. **2023**, 24, 3376
- 22 Overexpression of FoxM1 Enhanced the Protective Effect of Bone Marrow-Derived Mesenchymal Stem Cells on Lipopolysaccharide-Induced Acute Lung Injury through the Activation of Wnt/ β Catenin Signaling. **2023**, 2023, 1-13
- 21 Mesenchymal stem cell suppresses the efficacy of CAR-T toward killing lymphoma cells by modulating the microenvironment through stanniocalcin-1. 12,
- 20 Lactobacillus rhamnosus dfa1 Attenuate Cecal Ligation-Induced Systemic Inflammation through the Interference in Gut Dysbiosis, Leaky Gut, and Enterocytic Cell Energy. **2023**, 24, 3756
- 19 Dose-specific efficacy of adipose-derived mesenchymal stem cells in septic mice. **2023**, 14,

- 18 Role of Mesenchymal Stem/Stromal Cells in Modulating Ischemia/Reperfusion Injury: Current State of the Art and Future Perspectives. **2023**, 11, 689 ○
- 17 TGFβ₁ priming enhances CXCR3-mediated mesenchymal stromal cell engraftment to the liver and enhances anti-inflammatory efficacy. **2023**, 27, 864-878 ○
- 16 Role of the regulation of mesenchymal stem cells on macrophages in sepsis. **2023**, 37, 039463202211507 ○
- 15 Bone mesenchymal stromal cell-derived small extracellular vesicles inhibit inflammation and ameliorate sepsis via delivery of microRNA-21a-5p. **2023**, ○
- 14 Extracellular vesicles derived from mesenchymal stem cells as novel therapeutic tool in infectious diseases. **2023**, 43, ○
- 13 Mesenchymal stem cells protect against sepsis-associated acute kidney injury by inducing Gal-9/Tim-3 to remodel immune homeostasis. **2023**, 45, ○
- 12 Changes Induced by Inflammatory-Activated Immune Cell Microenvironment in the Paracrine Profile of MSC. **2023**, 174, 544-548 ○
- 11 The Regulatory Roles of Ezh2 in Response to Lipopolysaccharide (LPS) in Macrophages and Mice with Conditional Ezh2 Deletion with LysM-Cre System. **2023**, 24, 5363 ○
- 10 Primary graft dysfunction following lung transplantation: From pathogenesis to future frontiers. 13, 58-85 ○
- 9 Functional enhancement strategies to potentiate the therapeutic properties of mesenchymal stromal cells for respiratory diseases. 14, ○
- 8 Conditioned media of deer antler stem cells accelerate regeneration of alveolar bone defects in rats. ○
- 7 Rapid and effective preparation of clonal bone marrow-derived mesenchymal stem/stromal cell sheets to reduce renal fibrosis. **2023**, 13, ○
- 6 Immunomodulatory properties of mesenchymal stem cells: A potential therapeutic strategy for allergic rhinitis. ○
- 5 Mesenchymal Stem/Stromal Cells Derived from Cervical Cancer Promote M2 Macrophage Polarization. **2023**, 12, 1047 ○
- 4 PGE₂ Produced by Exogenous MSCs Promotes Immunoregulation in ARDS Induced by Highly Pathogenic Influenza A through Activation of the Wnt-βCatenin Signaling Pathway. **2023**, 24, 7299 ○
- 3 Immunomodulatory Mechanisms and Therapeutic Potential of Mesenchymal Stem Cells. ○
- 2 The leaky gut and the gut microbiome in sepsis as targets in research and treatment. **2023**, 137, 645-662 ○
- 1 Biomimetic scaffold-based stem cell transplantation promotes lung regeneration. ○

