

Martin J Hoogduijn

List of Publications by Year in descending order

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papers

5,633
citations

61857

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7274
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunomodulation By Therapeutic Mesenchymal Stromal Cells (MSC) Is Triggered Through Phagocytosis of MSC By Monocytic Cells. <i>Stem Cells</i> , 2018, 36, 602-615.	1.4	384
2	The Life and Fate of Mesenchymal Stem Cells. <i>Frontiers in Immunology</i> , 2014, 5, 148.	2.2	358
3	Multipotent stromal cells induce human regulatory T cells through a novel pathway involving skewing of monocytes toward anti-inflammatory macrophages. <i>Stem Cells</i> , 2013, 31, 1980-1991.	1.4	352
4	The immunomodulatory properties of mesenchymal stem cells and their use for immunotherapy. <i>International Immunopharmacology</i> , 2010, 10, 1496-1500.	1.7	212
5	Mesenchymal Stem Cell-Derived Interleukin 1 Receptor Antagonist Promotes Macrophage Polarization and Inhibits B Cell Differentiation. <i>Stem Cells</i> , 2016, 34, 483-492.	1.4	209
6	Mesenchymal stem cell-educated macrophages. <i>Transplantation Research</i> , 2012, 1, 12.	1.5	144
7	Comparative Characterization of Hair Follicle Dermal Stem Cells and Bone Marrow Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2006, 15, 49-60.	1.1	142
8	Cryopreserved or Fresh Mesenchymal Stromal Cells: Only a Matter of Taste or Key to Unleash the Full Clinical Potential of MSC Therapy?. <i>Advances in Experimental Medicine and Biology</i> , 2016, 951, 77-98.	0.8	141
9	Long-Term Expansion, Enhanced Chondrogenic Potential, and Suppression of Endochondral Ossification of Adult Human MSCs via WNT Signaling Modulation. <i>Stem Cell Reports</i> , 2015, 4, 459-472.	2.3	122
10	Mesenchymal Stem Cells Induce an Inflammatory Response After Intravenous Infusion. <i>Stem Cells and Development</i> , 2013, 22, 2825-2835.	1.1	114
11	Mesenchymal Stromal Cells Anno 2019: Dawn of the Therapeutic Era? Concise Review. <i>Stem Cells Translational Medicine</i> , 2019, 8, 1126-1134.	1.6	114
12	Multiparameter Analysis of Human Bone Marrow Stromal Cells Identifies Distinct Immunomodulatory and Differentiation-Competent Subtypes. <i>Stem Cell Reports</i> , 2015, 4, 1004-1015.	2.3	111
13	Effects of Hypoxia on the Immunomodulatory Properties of Adipose Tissue-Derived Mesenchymal Stem cells. <i>Frontiers in Immunology</i> , 2013, 4, 203.	2.2	110
14	Inactivated Mesenchymal Stem Cells Maintain Immunomodulatory Capacity. <i>Stem Cells and Development</i> , 2016, 25, 1342-1354.	1.1	110
15	Inflammatory Conditions Dictate the Effect of Mesenchymal Stem or Stromal Cells on B Cell Function. <i>Frontiers in Immunology</i> , 2017, 8, 1042.	2.2	106
16	Human Mesenchymal Stem Cells Are Susceptible to Lysis by CD8 ⁺ T Cells and NK Cells. <i>Cell Transplantation</i> , 2011, 20, 1547-1559.	1.2	101
17	Susceptibility of Human Mesenchymal Stem Cells to Tacrolimus, Mycophenolic Acid, and Rapamycin. <i>Transplantation</i> , 2008, 86, 1283-1291.	0.5	92
18	Human Adipose Tissue-Derived Mesenchymal Stem Cells Induce Explosive T-Cell Proliferation. <i>Stem Cells and Development</i> , 2010, 19, 1843-1853.	1.1	89

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19	Features of synergism between mesenchymal stem cells and immunosuppressive drugs in a murine heart transplantation model. <i>Transplant Immunology</i> , 2011, 25, 141-147.	0.6	86
20	Cytokine treatment optimises the immunotherapeutic effects of umbilical cord-derived MSC for treatment of inflammatory liver disease. <i>Stem Cell Research and Therapy</i> , 2017, 8, 140.	2.4	84
21	Toward Development of iMesenchymal Stem Cells for Immunomodulatory Therapy. <i>Frontiers in Immunology</i> , 2015, 6, 648.	2.2	82
22	Potential of mesenchymal stem cells as immune therapy in solid-organ transplantation. <i>Transplant International</i> , 2009, 22, 365-376.	0.8	77
23	Membrane particles generated from mesenchymal stromal cells modulate immune responses by selective targeting of pro-inflammatory monocytes. <i>Scientific Reports</i> , 2017, 7, 12100.	1.6	74
24	Editorial: Safety, Efficacy and Mechanisms of Action of Mesenchymal Stem Cell Therapies. <i>Frontiers in Immunology</i> , 2020, 11, 243.	2.2	71
25	Update on Controls for Isolation and Quantification Methodology of Extracellular Vesicles Derived from Adipose Tissue Mesenchymal Stem Cells. <i>Frontiers in Immunology</i> , 2014, 5, 525.	2.2	69
26	Functional Nicotinic and Muscarinic Receptors on Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2009, 18, 103-112.	1.1	67
27	On the interactions between mesenchymal stem cells and regulatory T cells for immunomodulation in transplantation. <i>Frontiers in Immunology</i> , 2012, 3, 126.	2.2	67
28	Advancement of Mesenchymal Stem Cell Therapy in Solid Organ Transplantation (MISOT). <i>Transplantation</i> , 2010, 90, 124-126.	0.5	66
29	Mesenchymal stromal cells for organ transplantation. <i>Current Opinion in Organ Transplantation</i> , 2014, 19, 41-46.	0.8	66
30	Aging of bone marrow- and umbilical cord-derived mesenchymal stromal cells during expansion. <i>Cytotherapy</i> , 2017, 19, 798-807.	0.3	65
31	Toward MSC in Solid Organ Transplantation: 2008 Position Paper of the MISOT Study Group. <i>Transplantation</i> , 2009, 88, 614-619.	0.5	64
32	No Evidence for Circulating Mesenchymal Stem Cells in Patients with Organ Injury. <i>Stem Cells and Development</i> , 2014, 23, 2328-2335.	1.1	61
33	Effects of Freeze-Thawing and Intravenous Infusion on Mesenchymal Stromal Cell Gene Expression. <i>Stem Cells and Development</i> , 2016, 25, 586-597.	1.1	60
34	Interaction between Adipose Tissue-Derived Mesenchymal Stem Cells and Regulatory T-Cells. <i>Cell Transplantation</i> , 2013, 22, 41-54.	1.2	58
35	Immunological Aspects of Allogeneic and Autologous Mesenchymal Stem Cell Therapies. <i>Human Gene Therapy</i> , 2011, 22, 1587-1591.	1.4	54
36	Mesenchymal stem cells derived from adipose tissue are not affected by renal disease. <i>Kidney International</i> , 2012, 82, 748-758.	2.6	54

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37	Are mesenchymal stromal cells immune cells?. <i>Arthritis Research and Therapy</i> , 2015, 17, 88.	1.6	54
38	Safety and feasibility of third-party multipotent adult progenitor cells for immunomodulation therapy after liver transplantation--a phase I study (MISOT-I). <i>Journal of Translational Medicine</i> , 2011, 9, 124.	1.8	51
39	Cell contact interaction between adipose-derived stromal cells and allo-activated T lymphocytes. <i>European Journal of Immunology</i> , 2009, 39, 3436-3446.	1.6	50
40	Heart Grafts Tolerized Through Third-Party Multipotent Adult Progenitor Cells Can Be Retransplanted to Secondary Hosts With No Immunosuppression. <i>Stem Cells Translational Medicine</i> , 2013, 2, 595-606.	1.6	50
41	Women have more potential to induce browning of perirenal adipose tissue than men. <i>Obesity</i> , 2015, 23, 1671-1679.	1.5	49
42	Infusing Mesenchymal Stromal Cells into Porcine Kidneys during Normothermic Machine Perfusion: Intact MSCs Can Be Traced and Localised to Glomeruli. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3607.	1.8	48
43	Mesenchymal stem cells. <i>Current Opinion in Organ Transplantation</i> , 2012, 17, 55-62.	0.8	47
44	Effect of Arthritic Synovial Fluids on the Expression of Immunomodulatory Factors by Mesenchymal Stem Cells: An Explorative in vitro Study. <i>Frontiers in Immunology</i> , 2012, 3, 231.	2.2	44
45	Bone marrow-derived mesenchymal stromal cells from patients with end-stage renal disease are suitable for autologous therapy. <i>Cytotherapy</i> , 2013, 15, 663-672.	0.3	43
46	Human Bone Marrow- and Adipose Tissue-derived Mesenchymal Stromal Cells are Immunosuppressive In vitro and in a Humanized Allograft Rejection Model. <i>Journal of Stem Cell Research & Therapy</i> , 2013, Suppl 6, 20780.	0.3	42
47	Mesenchymal stem cells control alloreactive CD8+CD28 ^{hi} T cells. <i>Clinical and Experimental Immunology</i> , 2013, 174, 449-458.	1.1	41
48	Culture expansion induces non-tumorigenic aneuploidy in adipose tissue-derived mesenchymal stromal cells. <i>Cytotherapy</i> , 2013, 15, 1352-1361.	0.3	40
49	Mesenchymal Stromal Cells as Anti-Inflammatory and Regenerative Mediators for Donor Kidneys During Normothermic Machine Perfusion. <i>Stem Cells and Development</i> , 2017, 26, 1162-1170.	1.1	39
50	Donor-Derived Mesenchymal Stem Cells Remain Present and Functional in the Transplanted Human Heart. <i>American Journal of Transplantation</i> , 2009, 9, 222-230.	2.6	37
51	NK Cells and MSCs: Possible Implications for MSC Therapy in Renal Transplantation. <i>Journal of Stem Cell Research & Therapy</i> , 2014, 04, 1000166.	0.3	36
52	Adipose Tissue-Derived Mesenchymal Stem Cells Have a Heterogenic Cytokine Secretion Profile. <i>Stem Cells International</i> , 2017, 2017, 1-7.	1.2	36
53	Human kidney organoids produce functional renin. <i>Kidney International</i> , 2021, 99, 134-147.	2.6	36
54	The Effects of Anticholinergic Insecticides on Human Mesenchymal Stem Cells. <i>Toxicological Sciences</i> , 2006, 94, 342-350.	1.4	35

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55	Effects of Normothermic Machine Perfusion Conditions on Mesenchymal Stromal Cells. <i>Frontiers in Immunology</i> , 2019, 10, 765.	2.2	32
56	The impact of mesenchymal stem cell therapy in transplant rejection and tolerance. <i>Current Opinion in Organ Transplantation</i> , 2012, 17, 355-361.	0.8	31
57	First Report on Ex Vivo Delivery of Paracrine Active Human Mesenchymal Stromal Cells to Liver Grafts During Machine Perfusion. <i>Transplantation</i> , 2020, 104, e5-e7.	0.5	30
58	The Biological Effects of IL-21 Signaling on B-Cell-Mediated Responses in Organ Transplantation. <i>Frontiers in Immunology</i> , 2016, 7, 319.	2.2	29
59	Treating Ischemically Damaged Porcine Kidneys with Human Bone Marrow- and Adipose Tissue-Derived Mesenchymal Stromal Cells During Ex Vivo Normothermic Machine Perfusion. <i>Stem Cells and Development</i> , 2020, 29, 1320-1330.	1.1	27
60	Mesenchymal stromal cell treatment of donor kidneys during ex vivo normothermic machine perfusion: A porcine renal autotransplantation study. <i>American Journal of Transplantation</i> , 2021, 21, 2348-2359.	2.6	26
61	Efficacy of immunotherapy with mesenchymal stem cells in man: a systematic review. <i>Expert Review of Clinical Immunology</i> , 2015, 11, 617-636.	1.3	25
62	Differential effects of heat-inactivated, secretome-deficient MSC and metabolically active MSC in sepsis and allogeneic heart transplantation. <i>Stem Cells</i> , 2020, 38, 797-807.	1.4	23
63	T Lymphocyte Prestimulation Impairs in a Time-Dependent Manner the Capacity of Adipose Mesenchymal Stem Cells to Inhibit Proliferation: Role of Interferon β , Poly I:C, and Tryptophan Metabolism in Restoring Adipose Mesenchymal Stem Cell Inhibitory Effect. <i>Stem Cells and Development</i> , 2015, 24, 2158-2170.	1.1	22
64	Mesenchymal Stromal Cells Are Retained in the Porcine Renal Cortex Independently of Their Metabolic State After Renal Intra-Arterial Infusion. <i>Stem Cells and Development</i> , 2019, 28, 1224-1235.	1.1	22
65	Epigenetic changes in umbilical cord mesenchymal stromal cells upon stimulation and culture expansion. <i>Cytotherapy</i> , 2018, 20, 919-929.	0.3	19
66	Human Allogeneic Bone Marrow and Adipose Tissue Derived Mesenchymal Stromal Cells Induce CD8+ Cytotoxic T Cell Reactivity. <i>Journal of Stem Cell Research & Therapy</i> , 2013, 3, 004.	0.3	19
67	Allogeneic chondrogenically differentiated human mesenchymal stromal cells do not induce immunogenic responses from T lymphocytes in vitro. <i>Cytotherapy</i> , 2016, 18, 957-969.	0.3	16
68	Pre-Treatment of Human Mesenchymal Stem Cells With Inflammatory Factors or Hypoxia Does Not Influence Migration to Osteoarthritic Cartilage and Synovium. <i>American Journal of Sports Medicine</i> , 2017, 45, 1151-1161.	1.9	16
69	Reparative effect of mesenchymal stromal cells on endothelial cells after hypoxic and inflammatory injury. <i>Stem Cell Research and Therapy</i> , 2020, 11, 352.	2.4	16
70	Administration of Human MSC-Derived Extracellular Vesicles for the Treatment of Primary Sclerosing Cholangitis: Preclinical Data in MDR2 Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8874.	1.8	15
71	The emergence of regenerative medicine in organ transplantation: 1st European Cell Therapy and Organ Regeneration Section meeting. <i>Transplant International</i> , 2020, 33, 833-840.	0.8	15
72	Nanoparticle Release by Extended Criteria Donor Kidneys During Normothermic Machine Perfusion. <i>Transplantation</i> , 2019, 103, e110-e111.	0.5	14

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73	Morphology and size of stem cells from mouse and whale: observational study. <i>BMJ, The</i> , 2013, 347, f6833-f6833.	3.0	12
74	Ex Vivo Administration of Mesenchymal Stromal Cells in Kidney Grafts Against Ischemia-reperfusion Injuryâ€”Effective Delivery Without Kidney Function Improvement Posttransplant. <i>Transplantation</i> , 2021, 105, 517-528.	0.5	12
75	The Effects of an IL-21 Receptor Antagonist on the Alloimmune Response in a Humanized Mouse Skin Transplant Model. <i>Transplantation</i> , 2019, 103, 2065-2074.	0.5	11
76	The Importance of Dosing, Timing, and (in)Activation of Adipose Tissue-Derived Mesenchymal Stromal Cells on Their Immunomodulatory Effects. <i>Stem Cells and Development</i> , 2020, 29, 38-48.	1.1	11
77	Cellular therapies in organ transplantation. <i>Transplant International</i> , 2021, 34, 233-244.	0.8	11
78	Organ transplants of the future: planning for innovations including xenotransplantation. <i>Transplant International</i> , 2021, 34, 2006-2018.	0.8	11
79	Adipose Mesenchymal Stromal Cell Function Is Not Affected by Methotrexate and Azathioprine. <i>BioResearch Open Access</i> , 2013, 2, 431-439.	2.6	10
80	Mesenchymal stem cells in transplantation and tissue regeneration. <i>Frontiers in Immunology</i> , 2011, 2, 84.	2.2	9
81	Mesenchymal Stromal Cell Derived Membrane Particles Are Internalized by Macrophages and Endothelial Cells Through Receptor-Mediated Endocytosis and Phagocytosis. <i>Frontiers in Immunology</i> , 2021, 12, 651109.	2.2	9
82	Membrane Particles Derived From Adipose Tissue Mesenchymal Stromal Cells Improve Endothelial Cell Barrier Integrity. <i>Frontiers in Immunology</i> , 2021, 12, 650522.	2.2	8
83	Additional Normothermic Machine Perfusion Versus Hypothermic Machine Perfusion in Suboptimal Donor Kidney Transplantation: Protocol of a Randomized, Controlled, Open-Label Trial. <i>International Journal of Surgery Protocols</i> , 2021, 25, 227-237.	0.5	8
84	Vitamin D metabolism in human kidney organoids. <i>Nephrology Dialysis Transplantation</i> , 2021, , .	0.4	7
85	The effect of rabbit antithymocyte globulin on human mesenchymal stem cells. <i>Transplant International</i> , 2013, 26, 651-658.	0.8	6
86	Immunomodulation by Mesenchymal Stem Cells. <i>Transplantation</i> , 2017, 101, 30-31.	0.5	6
87	Proteomic Analysis of Mesenchymal Stromal Cell-Derived Extracellular Vesicles and Reconstructed Membrane Particles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12935.	1.8	5
88	How to Make Sense out of 75,000 Mesenchymal Stromal Cell Publications?. <i>Cells</i> , 2022, 11, 1419.	1.8	5
89	Kidney Organoids Are Capable of Forming Tumors, but Not Teratomas. <i>Stem Cells</i> , 2022, 40, 577-591.	1.4	3
90	Indoleamine 2,3-Dioxygenase Does It. <i>Transplantation</i> , 2015, 99, 1751-1752.	0.5	2

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91	Advanced in vitro Research Models to Study the Role of Endothelial Cells in Solid Organ Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 607953.	2.2	2
92	Identification of predictive markers for the generation of well-differentiated human induced pluripotent stem cell-derived kidney organoids. <i>Stem Cells and Development</i> , 2021, 30, 1103-1114.	1.1	2
93	Membrane particles from mesenchymal stromal cells reduce the expression of fibrotic markers on pulmonary cells. <i>PLoS ONE</i> , 2021, 16, e0248415.	1.1	1
94	Chondrogenically Primed Human Mesenchymal Stem Cells Persist and Undergo Early Stages of Endochondral Ossification in an Immunocompetent Xenogeneic Model. <i>Frontiers in Immunology</i> , 2021, 12, 715267.	2.2	1
95	The Authorsâ€™ Reply: Mesenchymal Stem Cells and Immunosuppressive Drug Interactions. <i>Transplantation</i> , 2009, 87, 1900-1901.	0.5	0