Daniele Nol

List of Publications by Year in Descending Order

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

97 papers	8,793 citations	47 h-index	93 g-index
106 ext. papers	10,087 ext. citations	6.8 avg, IF	5.91 L-index

#	Paper	IF	Citations
97	Lung Fibrosis Is Improved by Extracellular Vesicles from IFNγ-Primed Mesenchymal Stromal Cells in Murine Systemic Sclerosis. *Cells*, **2021**, 10,	7.9	1
96	Neuromedin B promotes chondrocyte differentiation of mesenchymal stromal cells via calcineurin and calcium signaling. *Cell and Bioscience*, **2021**, 11, 183	9.8	0
95	Cancer incidence in primary Sjögren's syndrome: Data from the French hospitalization database. *Autoimmunity Reviews*, **2021**, 20, 102987	13.6	1
94	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Regulate the Mitochondrial Metabolism Transfer of miRNAs. *Frontiers in Immunology*, **2021**, 12, 623973	8.4	4
93	La sénescence : de son implication physiopathologique aux traitements futurs. *Revue Du Rhumatisme Monographies*, **2021**, 88, 87-91	0	
92	A Collagen-Mimetic Organic-Inorganic Hydrogel for Cartilage Engineering. *Gels*, **2021**, 7,	4.2	2
91	Extracellular Vesicles Are More Potent Than Adipose Mesenchymal Stromal Cells to Exert an Anti-Fibrotic Effect in an In Vitro Model of Systemic Sclerosis. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
90	Pyrroline-5-Carboxylate Reductase 1 Directs the Cartilage Protective and Regenerative Potential of Murphy Roths Large Mouse Mesenchymal Stem Cells. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 604756	5.7	0
89	Mesenchymal stromal cells-derived extracellular vesicles alleviate systemic sclerosis via miR-29a-3p. *Journal of Autoimmunity*, **2021**, 121, 102660	15.5	9
88	miR-155 Contributes to the Immunoregulatory Function of Human Mesenchymal Stem Cells. *Frontiers in Immunology*, **2021**, 12, 624024	8.4	1
87	Extracellular vesicles from mesenchymal stromal cells: Therapeutic perspectives for targeting senescence in osteoarthritis. *Advanced Drug Delivery Reviews*, **2021**, 175, 113836	18.5	8
86	Mesenchymal Stem Cell Derived Extracellular Vesicles in Aging. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 107	5.7	31
85	Biobased pH-responsive and self-healing hydrogels prepared from O-carboxymethyl chitosan and a 3-dimensional dynamer as cartilage engineering scaffold. *Carbohydrate Polymers*, **2020**, 244, 116471	10.3	22
84	Inorganic Sol-Gel Polymerization for Hydrogel Bioprinting. *ACS Omega*, **2020**, 5, 2640-2647	3.9	5
83	Time-dependent LPS exposure commands MSC immunoplasticity through TLR4 activation leading to opposite therapeutic outcome in EAE. *Stem Cell Research and Therapy*, **2020**, 11, 416	8.3	11
82	Mesenchymal Stem Cell-Derived Extracellular Vesicles: Opportunities and Challenges for Clinical Translation. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 997	5.8	30
81	TGFBI secreted by mesenchymal stromal cells ameliorates osteoarthritis and is detected in extracellular vesicles. *Biomaterials*, **2020**, 226, 119544	15.6	26

80	Characterization of immortalized human islet stromal cells reveals a MSC-like profile with pancreatic features. *Stem Cell Research and Therapy*, **2020**, 11, 158	8.3	2
79	Biocompatible Glycine-Assisted Catalysis of the Sol-Gel Process: Development of Cell-Embedded Hydrogels. *ChemPlusChem*, **2019**, 84, 1720-1729	2.8	8
78	Mesenchymal stem cell senescence alleviates their intrinsic and seno-suppressive paracrine properties contributing to osteoarthritis development. *Aging*, **2019**, 11, 9128-9146	5.6	22
77	TGF□is involved in the chondrogenic differentiation of mesenchymal stem cells and is dysregulated in osteoarthritis. *Osteoarthritis and Cartilage*, **2019**, 27, 493-503	6.2	18
76	Mesenchymal Stem Cell-Based Therapy of Osteoarthritis: Current Clinical Developments and Future Therapeutic Strategies **2019**, 87-109		1
75	Intriguing Relationships Between Cancer and Systemic Sclerosis: Role of the Immune System and Other Contributors. *Frontiers in Immunology*, **2018**, 9, 3112	8.4	34
74	Contribution of microRNAs to the immunosuppressive function of mesenchymal stem cells. *Biochimie*, **2018**, 155, 109-118	4.6	10
73	Mesenchymal stem cells-derived exosomes are more immunosuppressive than microparticles in inflammatory arthritis. *Theranostics*, **2018**, 8, 1399-1410	12.1	221
72	Secreted □Klotho maintains cartilage tissue homeostasis by repressing and catabolic axis. *Aging*, **2018**, 10, 1442-1453	5.6	13
71	Mesenchymal stem cells seeded on a human amniotic membrane improve liver regeneration and mouse survival after extended hepatectomy. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 1062-1073	4.4	15
70	Fibrosis Development in HOCl-Induced Systemic Sclerosis: A Multistage Process Hampered by Mesenchymal Stem Cells. *Frontiers in Immunology*, **2018**, 9, 2571	8.4	11
69	Mesenchymal Stem Cells in Systemic Sclerosis: Allogenic or Autologous Approaches for Therapeutic Use?. *Frontiers in Immunology*, **2018**, 9, 2938	8.4	34
68	iNOS Activity Is Required for the Therapeutic Effect of Mesenchymal Stem Cells in Experimental Systemic Sclerosis. *Frontiers in Immunology*, **2018**, 9, 3056	8.4	6
67	Adipose-Derived Mesenchymal Stem Cells in Autoimmune Disorders: State of the Art and Perspectives for Systemic Sclerosis. *Clinical Reviews in Allergy and Immunology*, **2017**, 52, 234-259	12.3	71
66	Sol□gel synthesis of collagen-inspired peptide hydrogel. *Materials Today*, **2017**, 20, 59-66	21.8	27
65	Mesenchymal stem cells derived exosomes and microparticles protect cartilage and bone from degradation in osteoarthritis. *Scientific Reports*, **2017**, 7, 16214	4.9	270
64	Pathogenic or Therapeutic Extracellular Vesicles in Rheumatic Diseases: Role of Mesenchymal Stem Cell-Derived Vesicles. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	54
63	Serum-Mediated Oxidative Stress from Systemic Sclerosis Patients Affects Mesenchymal Stem Cell Function. *Frontiers in Immunology*, **2017**, 8, 988	8.4	7

62	Thrombospondin-1 Partly Mediates the Cartilage Protective Effect of Adipose-Derived Mesenchymal Stem Cells in Osteoarthritis. *Frontiers in Immunology*, **2017**, 8, 1638	8.4	21
61	Antifibrotic, Antioxidant, and Immunomodulatory Effects of Mesenchymal Stem Cells in HOCl-Induced Systemic Sclerosis. *Arthritis and Rheumatology*, **2016**, 68, 1013-25	9.5	47
60	Adipose Mesenchymal Stromal Cell-Based Therapy for Severe Osteoarthritis of the Knee: A Phase I Dose-Escalation Trial. *Stem Cells Translational Medicine*, **2016**, 5, 847-56	6.9	268
59	The immunosuppressive signature of menstrual blood mesenchymal stem cells entails opposite effects on experimental arthritis and graft versus host diseases. *Stem Cells*, **2016**, 34, 456-69	5.8	49
58	Mesenchymal Stem Cell-Derived Interleukin 1 Receptor Antagonist Promotes Macrophage Polarization and Inhibits B Cell Differentiation. *Stem Cells*, **2016**, 34, 483-92	5.8	140
57	Inhibition of Osteoarthritis by Adipose-Derived Stromal Cells Overexpressing Fra-1 in Mice. *Arthritis and Rheumatology*, **2016**, 68, 138-51	9.5	9
56	PLGA-based microcarriers induce mesenchymal stem cell chondrogenesis and stimulate cartilage repair in osteoarthritis. *Biomaterials*, **2016**, 88, 60-9	15.6	59
55	Deregulation and therapeutic potential of microRNAs in arthritic diseases. *Nature Reviews Rheumatology*, **2016**, 12, 211-20	8.1	83
54	Therapeutic application of mesenchymal stem cells in osteoarthritis. *Expert Opinion on Biological Therapy*, **2016**, 16, 33-42	5.4	52
53	Utility of a Mouse Model of Osteoarthritis to Demonstrate Cartilage Protection by IFN�Primed Equine Mesenchymal Stem Cells. *Frontiers in Immunology*, **2016**, 7, 392	8.4	17
52	Comparison between Stromal Vascular Fraction and Adipose Mesenchymal Stem Cells in Remodeling Hypertrophic Scars. *PLoS ONE*, **2016**, 11, e0156161	3.7	34
51	Reply. *Arthritis and Rheumatology*, **2016**, 68, 2348-50	9.5	1
50	Human adipose mesenchymal stem cells as potent anti-fibrosis therapy for systemic sclerosis. *Journal of Autoimmunity*, **2016**, 70, 31-9	15.5	64
49	Survival and biodistribution of xenogenic adipose mesenchymal stem cells is not affected by the degree of inflammation in arthritis. *PLoS ONE*, **2015**, 10, e0114962	3.7	56
48	PLA-poloxamer/poloxamine copolymers for ligament tissue engineering: sound macromolecular design for degradable scaffolds and MSC differentiation. *Biomaterials Science*, **2015**, 3, 617-26	7.4	18
47	In vitro and in vivo characterization of antibacterial activity and biocompatibility: a study on silver-containing phosphonate monolayers on titanium. *Acta Biomaterialia*, **2015**, 15, 266-77	10.8	49
46	Adipose Mesenchymal Stem Cells Isolated after Manual or Water-jet-Assisted Liposuction Display Similar Properties. *Frontiers in Immunology*, **2015**, 6, 655	8.4	19
45	Promyelocytic leukemia zinc-finger induction signs mesenchymal stem cell commitment: identification of a key marker for stemness maintenance?. *Stem Cell Research and Therapy*, **2014**, 5, 27	8.3	5

44	Involvement of angiopoietin-like 4 in matrix remodeling during chondrogenic differentiation of mesenchymal stem cells. *Journal of Biological Chemistry*, **2014**, 289, 8402-12	5.4	22
43	p16INK4a and its regulator miR-24 link senescence and chondrocyte terminal differentiation-associated matrix remodeling in osteoarthritis. *Arthritis Research and Therapy*, **2014**, 16, R58	5.7	134
42	Mesenchymal stem cells generate a CD4+CD25+Foxp3+ regulatory T cell population during the differentiation process of Th1 and Th17 cells. *Stem Cell Research and Therapy*, **2013**, 4, 65	8.3	292
41	New PLGA-P188-PLGA matrix enhances TGF-β release from pharmacologically active microcarriers and promotes chondrogenesis of mesenchymal stem cells. *Journal of Controlled Release*, **2013**, 170, 99-110	11.7	65
40	Adipose-derived mesenchymal stem cells exert antiinflammatory effects on chondrocytes and synoviocytes from osteoarthritis patients through prostaglandin E2. *Arthritis and Rheumatism*, **2013** , 65, 1271-81		154
39	Mesenchymal stem cells in regenerative medicine applied to rheumatic diseases: role of secretome and exosomes. *Biochimie*, **2013**, 95, 2229-34	4.6	166
38	Long-term detection of human adipose-derived mesenchymal stem cells after intraarticular injection in SCID mice. *Arthritis and Rheumatism*, **2013**, 65, 1786-94		81
37	Adipose mesenchymal stem cells protect chondrocytes from degeneration associated with osteoarthritis. *Stem Cell Research*, **2013**, 11, 834-44	1.6	112
36	Sox9-regulated miRNA-574-3p inhibits chondrogenic differentiation of mesenchymal stem cells. *PLoS ONE*, **2013**, 8, e62582	3.7	75
35	Antiinflammatory and chondroprotective effects of intraarticular injection of adipose-derived stem cells in experimental osteoarthritis. *Arthritis and Rheumatism*, **2012**, 64, 3604-13		210
34	Mesenchymal stem cells repress Th17 molecular program through the PD-1 pathway. *PLoS ONE*, **2012**, 7, e45272	3.7	134
33	Mesenchymal Stem Cells: New Insights into Bone Regenerative Applications. *Journal of Biomaterials and Tissue Engineering*, **2012**, 2, 14-28	0.3	10
32	Mesenchymal stem cells in osteoarticular diseases. *Regenerative Medicine*, **2011**, 6, 44-51	2.5	51
31	Mesenchymal stem cell-based therapies in regenerative medicine: applications in rheumatology. *Stem Cell Research and Therapy*, **2011**, 2, 14	8.3	123
30	Therapeutic mesenchymal stem or stromal cells in rheumatic diseases: rationale, clinical data and perspectives. *Clinical Investigation*, **2011**, 1, 1269-1277		2
29	Skin fibroblasts are potent suppressors of inflammation in experimental arthritis. *Annals of the Rheumatic Diseases*, **2011**, 70, 1671-6	2.4	32
28	IL-6-dependent PGE2 secretion by mesenchymal stem cells inhibits local inflammation in experimental arthritis. *PLoS ONE*, **2010**, 5, e14247	3.7	272
27	Immunosuppression by mesenchymal stem cells: mechanisms and clinical applications. *Stem Cell Research and Therapy*, **2010**, 1, 2	8.3	351

26	The role of pharmacologically active microcarriers releasing TGF-beta3 in cartilage formation in vivo by mesenchymal stem cells. *Biomaterials*, **2010**, 31, 6485-93	15.6	87
25	Quantitative imaging of cartilage and bone for functional assessment of gene therapy approaches in experimental arthritis. *Journal of Tissue Engineering and Regenerative Medicine*, **2010**, 4, 387-94	4.4	8
24	Multipotent mesenchymal stromal cells and rheumatoid arthritis: risk or benefit?. *Rheumatology*, **2009**, 48, 1185-9	3.9	56
23	Transcriptomic analysis identifies Foxo3A as a novel transcription factor regulating mesenchymal stem cell chrondrogenic differentiation. *Cloning and Stem Cells*, **2009**, 11, 407-16		16
22	Cartilage engineering: a crucial combination of cells, biomaterials and biofactors. *Trends in Biotechnology*, **2009**, 27, 307-14	15.1	360
21	Specific lineage-priming of bone marrow mesenchymal stem cells provides the molecular framework for their plasticity. *Stem Cells*, **2009**, 27, 1142-51	5.8	91
20	Comparative proteomic analysis of human mesenchymal and embryonic stem cells: towards the definition of a mesenchymal stem cell proteomic signature. *Proteomics*, **2009**, 9, 223-32	4.8	77
19	Mesenchymal stem cells: innovative therapeutic tools for rheumatic diseases. *Nature Reviews Rheumatology*, **2009**, 5, 392-9	8.1	213
18	Cartilage tissue engineering: towards a biomaterial-assisted mesenchymal stem cell therapy. *Current Stem Cell Research and Therapy*, **2009**, 4, 318-29	3.6	165
17	Cell specific differences between human adipose-derived and mesenchymal-stromal cells despite similar differentiation potentials. *Experimental Cell Research*, **2008**, 314, 1575-84	4.2	271
16	In vivo osteoprogenitor potency of human stromal cells from different tissues does not correlate with expression of POU5F1 or its pseudogenes. *Stem Cells*, **2008**, 26, 2419-24	5.8	41
15	Mesenchymal stem cells inhibit the differentiation of dendritic cells through an interleukin-6-dependent mechanism. *Stem Cells*, **2007**, 25, 2025-32	5.8	479
14	Multipotent mesenchymal stromal cells and immune tolerance. *Leukemia and Lymphoma*, **2007**, 48, 1283-9	1.9	109
13	Microenvironmental changes during differentiation of mesenchymal stem cells towards chondrocytes. *Arthritis Research and Therapy*, **2007**, 9, R33	5.7	119
12	Immature dendritic cells suppress collagen-induced arthritis by in vivo expansion of CD49b+ regulatory T cells. *Journal of Immunology*, **2006**, 177, 3806-13	5.3	83
11	Earlier onset of syngeneic tumors in the presence of mesenchymal stem cells. *Transplantation*, **2006** , 82, 1060-6	1.8	103
10	Functional neuronal differentiation of bone marrow-derived mesenchymal stem cells. *Stem Cells*, **2006**, 24, 2868-76	5.8	194
9	Transcriptional profiles discriminate bone marrow-derived and synovium-derived mesenchymal stem cells. *Arthritis Research and Therapy*, **2005**, 7, R1304-15	5.7	152

8	Régénération du cartilage à partir de cellules souches mésenchymateuses. *Revue Du Rhumatisme (Edition Francaise)*, **2005**, 72, 360-364	0.1	
7	Reversal of the immunosuppressive properties of mesenchymal stem cells by tumor necrosis factor alpha in collagen-induced arthritis. *Arthritis and Rheumatism*, **2005**, 52, 1595-603		307
6	Short-term BMP-2 expression is sufficient for in vivo osteochondral differentiation of mesenchymal stem cells. *Stem Cells*, **2004**, 22, 74-85	5.8	185
5	Isolation and characterisation of mesenchymal stem cells from adult mouse bone marrow. *Experimental Cell Research*, **2004**, 295, 395-406	4.2	333
4	Immunosuppressive effect of mesenchymal stem cells favors tumor growth in allogeneic animals. *Blood*, **2003**, 102, 3837-44	2.2	962
3	Tetracycline transcriptional silencer tightly controls transgene expression after in vivo intramuscular electrotransfer: application to interleukin 10 therapy in experimental arthritis. *Human Gene Therapy*, **2002**, 13, 2161-72	4.8	61
2	Genetically engineered antibodies in gene transfer and gene therapy. *Human Gene Therapy*, **1998**, 9, 2165-75	4.8	25
1	Towards efficient cell targeting by recombinant retroviruses. *Trends in Molecular Medicine*, **1997**, 3, 396-403		9