Francesco Dell'Accio

List of Publications by Year
in descending order

50 papers	6,386 citations	159585 30 h-index	214800 47 g-index
57 all docs	57 docs citations	57 times ranked	6118 citing authors

#	Article	IF	Citations
1	Multipotent mesenchymal stem cells from adult human synovial membrane. Arthritis and Rheumatism, 2001, 44, 1928-1942.	6.7	1,638
2	Skeletal muscle repair by adult human mesenchymal stem cells from synovial membrane. Journal of Cell Biology, 2003, 160, 909-918.	5.2	602
3	Human periosteum-derived cells maintain phenotypic stability and chondrogenic potential throughout expansion regardless of donor age. Arthritis and Rheumatism, 2001, 44, 85-95.	6.7	506
4	Failure of in vitroâ€"differentiated mesenchymal stem cells from the synovial membrane to form ectopic stable cartilage in vivo. Arthritis and Rheumatism, 2004, 50, 142-150.	6.7	387
5	Mesenchymal multipotency of adult human periosteal cells demonstrated by single-cell lineage analysis. Arthritis and Rheumatism, 2006, 54, 1209-1221.	6.7	377
6	Molecular markers predictive of the capacity of expanded human articular chondrocytes to form stable cartilage in vivo. Arthritis and Rheumatism, 2001, 44, 1608-1619.	6.7	306
7	Neutrophil-derived microvesicles enter cartilage and protect the joint in inflammatory arthritis. Science Translational Medicine, 2015, 7, 315ra190.	12.4	256
8	Identification of the molecular response of articular cartilage to injury, by microarray screening: Wntâ€•16 expression and signaling after injury and in osteoarthritis. Arthritis and Rheumatism, 2008, 58, 1410-1421.	6.7	181
9	WNT-3A modulates articular chondrocyte phenotype by activating both canonical and noncanonical pathways. Journal of Cell Biology, 2011, 193, 551-564.	5.2	175
10	Functional mesenchymal stem cell niches in adult mouse knee joint synovium in vivo. Arthritis and Rheumatism, 2011, 63, 1289-1300.	6.7	168
11	Activation of WNT and BMP signaling in adult human articular cartilage following mechanical injury. Arthritis Research and Therapy, 2006, 8, R139.	3.5	139
12	Expanded phenotypically stable chondrocytes persist in the repair tissue and contribute to cartilage matrix formation and structural integration in a goat model of autologous chondrocyte implantation. Journal of Orthopaedic Research, 2003, 21, 123-131.	2.3	132
13	Mature antigenâ€experienced T helper cells synthesize and secrete the B cell chemoattractant CXCL13 in the inflammatory environment of the rheumatoid joint. Arthritis and Rheumatism, 2008, 58, 3377-3387.	6.7	124
14	Microenvironment and phenotypic stability specify tissue formation by human articular cartilage-derived cells in vivo. Experimental Cell Research, 2003, 287, 16-27.	2.6	118
15	A biomarkerâ€based mathematical model to predict boneâ€forming potency of human synovial and periosteal mesenchymal stem cells. Arthritis and Rheumatism, 2008, 58, 240-250.	6.7	116
16	WNT16 antagonises excessive canonical WNT activation and protects cartilage in osteoarthritis. Annals of the Rheumatic Diseases, 2017, 76, 218-226.	0.9	110
17	Comparative osteogenic transcription profiling of various fetal and adult mesenchymal stem cell sources. Differentiation, 2008, 76, 946-957.	1.9	109
18	Efficient Lentiviral Transduction and Improved Engraftment of Human Bone Marrow Mesenchymal Cells. Stem Cells, 2006, 24, 896-907.	3.2	94

#	Article	IF	Citations
19	Neutrophil Microvesicles from Healthy Control and Rheumatoid Arthritis Patients Prevent the Inflammatory Activation of Macrophages. EBioMedicine, 2018, 29, 60-69.	6.1	81
20	Distinct mesenchymal progenitor cell subsets in the adult human synovium. Rheumatology, 2009, 48, 1057-1064.	1.9	77
21	A homeostatic function of CXCR2 signalling in articular cartilage. Annals of the Rheumatic Diseases, 2015, 74, 2207-2215.	0.9	62
22	Mesenchymal stem cells in rheumatology: a regenerative approach to joint repair. Clinical Science, 2007, 113, 339-348.	4.3	46
23	Agrin mediates chondrocyte homeostasis and requires both LRP4 and Î±-dystroglycan to enhance cartilage formation in vitro and in vivo. Annals of the Rheumatic Diseases, 2016, 75, 1228-1235.	0.9	46
24	Skeletal tissue engineering: opportunities and challenges. Best Practice and Research in Clinical Rheumatology, 2001, 15, 759-769.	3.3	44
25	Syndecan 4 supports bone fracture repair, but not fetal skeletal development, in mice. Arthritis and Rheumatism, 2013, 65, 743-752.	6.7	44
26	Cellular and molecular mechanisms of cartilage damage and repair. Drug Discovery Today, 2014, 19, 1172-1177.	6.4	44
27	Regulation of Gdf5 expression in joint remodelling, repair and osteoarthritis. Scientific Reports, 2020, 10, 157.	3.3	44
28	Human singleâ€chain variable fragment that specifically targets arthritic cartilage. Arthritis and Rheumatism, 2010, 62, 1007-1016.	6.7	39
29	BCP crystals promote chondrocyte hypertrophic differentiation in OA cartilage by sequestering Wnt3a. Annals of the Rheumatic Diseases, 2020, 79, 975-984.	0.9	37
30	ROR2 blockade as a therapy for osteoarthritis. Science Translational Medicine, 2020, 12, .	12.4	34
31	Agrin induces long-term osteochondral regeneration by supporting repair morphogenesis. Science Translational Medicine, 2020, 12, .	12.4	30
32	Culture Expansion in Low-Glucose Conditions Preserves Chondrocyte Differentiation and Enhances Their Subsequent Capacity to Form Cartilage Tissue in Three-Dimensional Culture. BioResearch Open Access, 2014, 3, 9-18.	2.6	29
33	Inhibition of Notch1 promotes hedgehog signalling in a HES1-dependent manner in chondrocytes and exacerbates experimental osteoarthritis. Annals of the Rheumatic Diseases, 2016, 75, 2037-2044.	0.9	29
34	WNT3Aâ€loaded exosomes enable cartilage repair. Journal of Extracellular Vesicles, 2021, 10, e12088.	12.2	24
35	Does Pain at an Earlier Stage of Chondropathy Protect Female Mice Against Structural Progression After Surgically Induced Osteoarthritis?. Arthritis and Rheumatology, 2020, 72, 2083-2093.	5.6	22
36	Articular Chondroprogenitor Cells Maintain Chondrogenic Potential but Fail to Form a Functional Matrix When Implanted Into Muscles of SCID Mice. Cartilage, 2014, 5, 231-240.	2.7	21

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37	Reparative medicine: from tissue engineering to joint surface regeneration. Regenerative Medicine, 2006, 1, 59-69.	1.7	15
38	Alphaâ€1â€antitrypsin reduces inflammation and exerts chondroprotection in arthritis. FASEB Journal, 2021, 35, e21472.	0.5	14
39	Calcium calmodulin kinase II activity is required for cartilage homeostasis in osteoarthritis. Scientific Reports, 2021, 11, 5682.	3.3	14
40	Analyses on the mechanisms that underlie the chondroprotective properties of calcitonin. Biochemical Pharmacology, 2014, 91, 348-358.	4.4	11
41	PPARÎ³/mTOR signalling: striking the right balance in cartilage homeostasis. Annals of the Rheumatic Diseases, 2015, 74, 477-479.	0.9	11
42	The stem cell niche: a new target in medicine. Current Opinion in Orthopaedics, 2006, 17, 398-404.	0.3	8
43	Update on pain in arthritis. Current Opinion in Supportive and Palliative Care, 2021, 15, 99-107.	1.3	6
44	Lessons from joint development for cartilage repair in the clinic. Developmental Dynamics, 2021, 250, 360-376.	1.8	5
45	High fat diet accelerates cartilage repair in DBA/1 mice. Journal of Orthopaedic Research, 2017, 35, 1258-1264.	2.3	4
46	In vivo potency assay for the screening of bioactive molecules on cartilage formation. Lab Animal, 2022, 51, 103-120.	0.4	3
47	Joint Tissue Engineering. , 2007, , 107-123.		2
48	Regenerative Medicine and Tissue Engineering. , 2017, , 90-105.e4.		1
49	A novel mechanism for protecting the arthritic joint: microparticles deliver Annexin A1 into cartilage (146.8). FASEB Journal, 2014, 28, 146.8.	0.5	1
50	Neutrophilâ€Derived Microparticles as Novel Effectors in Joint Disease. FASEB Journal, 2013, 27, 137.6.	0.5	0