Laura De Girolamo

List of Publications by Citations

114 papers	2,723 citations	29 h-index	47 g-index
128 ext. papers	3,318 ext. citations	4.6 avg, IF	5.24 L-index

#	Paper	IF	Citations
114	Outcome of Autologous Matrix Induced Chondrogenesis (AMIC) in cartilage knee surgery: data of the AMIC Registry. *Archives of Orthopaedic and Trauma Surgery*, **2013**, 133, 87-93	3.6	145
113	Mesenchymal stem/stromal cells: a new "cells as drugs" paradigm. Efficacy and critical aspects in cell therapy. *Current Pharmaceutical Design*, **2013**, 19, 2459-73	3.3	117
112	Autologous platelet-rich plasma gel to reduce donor-site morbidity after patellar tendon graft harvesting for anterior cruciate ligament reconstruction: a randomized, controlled clinical study. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2012**, 20, 114-20	5.5	109
111	Surgical treatment for early osteoarthritis. Part I: cartilage repair procedures. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2012**, 20, 450-66	5.5	107
110	Human adipose-derived stem cells isolated from young and elderly women: their differentiation potential and scaffold interaction during in vitro osteoblastic differentiation. *Cytotherapy*, **2009**, 11, 793-803	4.8	107
109	Isolation, characterization and osteogenic differentiation of adipose-derived stem cells: from small to large animal models. *Cell and Tissue Research*, **2009**, 338, 401-11	4.2	92
108	Anti-L-NGFR and -CD34 monoclonal antibodies identify multipotent mesenchymal stem cells in human adipose tissue. *Stem Cells and Development*, **2010**, 19, 915-25	4.4	84
107	Treatment of chondral defects of the knee with one step matrix-assisted technique enhanced by autologous concentrated bone marrow: in vitro characterisation of mesenchymal stem cells from iliac crest and subchondral bone. *Injury*, **2010**, 41, 1172-7	2.5	82
106	Intratendinous adipose-derived stromal vascular fraction (SVF) injection provides a safe, efficacious treatment for Achilles tendinopathy: results of a randomized controlled clinical trial at a 6-month follow-up. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2018**, 26, 2000-2010	5.5	77
105	Ex vivo expanded mesenchymal stromal cell minimal quality requirements for clinical application. *Stem Cells and Development*, **2015**, 24, 677-85	4.4	68
104	Osteogenic differentiation of human adipose-derived stem cells: comparison of two different inductive media. *Journal of Tissue Engineering and Regenerative Medicine*, **2007**, 1, 154-7	4.4	66
103	Injective mesenchymal stem cell-based treatments for knee osteoarthritis: from mechanisms of action to current clinical evidences. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2019**, 27, 2003-2020	5.5	66
102	Why menisci show higher healing rate when repaired during ACL reconstruction? Growth factors release can be the explanation. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2015**, 23, 90-6	5.5	56
101	Low frequency pulsed electromagnetic field affects proliferation, tissue-specific gene expression, and cytokines release of human tendon cells. *Cell Biochemistry and Biophysics*, **2013**, 66, 697-708	3.2	56
100	Human adipose-derived stem cells as future tools in tissue regeneration: osteogenic differentiation and cell-scaffold interaction. *International Journal of Artificial Organs*, **2008**, 31, 467-79	1.9	56
99	Regenerative approaches for the treatment of early OA. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2016**, 24, 1826-35	5.5	54
98	Systemic administration of human adipose-derived stem cells reverts nociceptive hypersensitivity in an experimental model of neuropathy. *Stem Cells and Development*, **2013**, 22, 1252-63	4.4	51

97	Open Latarjet versus arthroscopic Latarjet: clinical results and cost analysis. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2016**, 24, 526-32	5.5	46
96	Magnetic resonance and ultrasound in achilles tendinopathy: Predictive role and response assessment to platelet-rich plasma and adipose-derived stromal vascular fraction injection. *European Journal of Radiology*, **2017**, 95, 130-135	4.7	44
95	History of rotator cuff surgery. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2015**, 23, 344-62	5.5	38
94	Interaction with hyaluronan matrix and miRNA cargo as contributors for in vitro potential of mesenchymal stem cell-derived extracellular vesicles in a model of human osteoarthritic synoviocytes. *Stem Cell Research and Therapy*, **2019**, 10, 109	8.3	35
93	Inflammatory priming enhances mesenchymal stromal cell secretome potential as a clinical product for regenerative medicine approaches through secreted factors and EV-miRNAs: the example of joint disease. *Stem Cell Research and Therapy*, **2020**, 11, 165	8.3	35
92	Mesenchymal stem cells in the treatment of articular cartilage degeneration: New biological insights for an old-timer cell. *Cytotherapy*, **2019**, 21, 1179-1197	4.8	35
91	All-arthroscopic AMIC (AT-AMIC) technique with autologous bone graft for talar osteochondral defects: clinical and radiological results. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2018**, 26, 875-881	5.5	34
90	All-Arthroscopic Autologous Matrix-Induced Chondrogenesis for the Treatment of Osteochondral Lesions of the Talus. *Arthroscopy Techniques*, **2015**, 4, e255-9	1.7	34
89	Chemical and genetic blockade of HDACs enhances osteogenic differentiation of human adipose tissue-derived stem cells by oppositely affecting osteogenic and adipogenic transcription factors. *Biochemical and Biophysical Research Communications*, **2012**, 428, 271-7	3.4	32
88	Bone marrow derived stem cells in joint and bone diseases: a concise review. *International Orthopaedics*, **2014**, 38, 1787-801	3.8	30
87	Soft-focused extracorporeal shock waves increase the expression of tendon-specific markers and the release of anti-inflammatory cytokines in an adherent culture model of primary human tendon cells. *Ultrasound in Medicine and Biology*, **2014**, 40, 1204-15	3.5	30
86	Adipose-derived stem cells and rabbit bone regeneration: histomorphometric, immunohistochemical and mechanical characterization. *Journal of Orthopaedic Science*, **2013**, 18, 331-9	1.6	30
85	In vitro functional response of human tendon cells to different dosages of low-frequency pulsed electromagnetic field. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2015**, 23, 3443-53	5.5	29
84	Long-term results of abrasion arthroplasty for full-thickness cartilage lesions of the medial femoral condyle. *Arthroscopy - Journal of Arthroscopic and Related Surgery*, **2015**, 31, 396-403	5.4	29
83	Role of autologous rabbit adipose-derived stem cells in the early phases of the repairing process of critical bone defects. *Journal of Orthopaedic Research*, **2011**, 29, 100-8	3.8	29
82	Fabrication of Innovative Silk/Alginate Microcarriers for Mesenchymal Stem Cell Delivery and Tissue Regeneration. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	28
81	Repair of osteochondral defects in the minipig model by OPF hydrogel loaded with adipose-derived mesenchymal stem cells. *Regenerative Medicine*, **2015**, 10, 135-51	2.5	27
80	Multidifferentiation potential of human mesenchymal stem cells from adipose tissue and hamstring tendons for musculoskeletal cell-based therapy. *Regenerative Medicine*, **2015**, 10, 729-43	2.5	27

79	Autologous Matrix-Induced Chondrogenesis (AMIC) and AMIC Enhanced by Autologous Concentrated Bone Marrow Aspirate (BMAC) Allow for Stable Clinical and Functional Improvements at up to 9 Years Follow-Up: Results from a Randomized Controlled Study. *Journal of Clinical Medicine*, **2019**, 8,	5.1	26
78	Identification of miRNA Reference Genes in Extracellular Vesicles from Adipose Derived Mesenchymal Stem Cells for Studying Osteoarthritis. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	25
77	Extracorporeal shockwaves (ESWs) enhance the osteogenic medium-induced differentiation of adipose-derived stem cells into osteoblast-like cells. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 390-399	4.4	24
76	In Vitro Induction of Tendon-Specific Markers in Tendon Cells, Adipose- and Bone Marrow-Derived Stem Cells is Dependent on TGFβ, BMP-12 and Ascorbic Acid Stimulation. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	24
75	Risk Factors for Shoulder Stiffness: Current Concepts. *Joints*, **2017**, 5, 217-223	1.1	23
74	ACL reconstruction in sports active people: transtibial DB technique with ST/G vs. transtibial SB technique with BPTB: preliminary results. *Injury*, **2010**, 41, 1168-71	2.5	23
73	Lipogems Product Treatment Increases the Proliferation Rate of Human Tendon Stem Cells without Affecting Their Stemness and Differentiation Capability. *Stem Cells International*, **2016**, 2016, 4373410	5	23
72	Mesenchymal stem cells as therapeutic target of biophysical stimulation for the treatment of musculoskeletal disorders. *Journal of Orthopaedic Surgery and Research*, **2016**, 11, 163	2.8	23
71	Secreted Factors and EV-miRNAs Orchestrate the Healing Capacity of Adipose Mesenchymal Stem Cells for the Treatment of Knee Osteoarthritis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	22
70	Hypoxia Promotes the Inflammatory Response and Stemness Features in Visceral Fat Stem Cells From Obese Subjects. *Journal of Cellular Physiology*, **2016**, 231, 668-79	7	22
69	Human Diseased Articular Cartilage Contains a Mesenchymal Stem Cell-Like Population of Chondroprogenitors with Strong Immunomodulatory Responses. *Journal of Clinical Medicine*, **2019**, 8,	5.1	21
68	Effect of pulsed electromagnetic field therapy in patients undergoing total knee arthroplasty: a randomised controlled trial. *International Orthopaedics*, **2014**, 38, 397-403	3.8	21
67	Single-Bundle versus Double-Bundle Anterior Cruciate Ligament Reconstruction: A Prospective Randomized Controlled Trial with 6-Year Follow-up. *Journal of Knee Surgery*, **2017**, 30, 898-904	2.4	19
66	Blood management and transfusion strategies in 600 patients undergoing total joint arthroplasty: an analysis of pre-operative autologous blood donation. *Blood Transfusion*, **2013**, 11, 370-6	3.6	19
65	No effect of topical application of tranexamic acid on articular cartilage. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2019**, 27, 931-935	5.5	19
64	Systematic Review and Meta-Analysis of the Clinical Evidence on the Use of Autologous Matrix-Induced Chondrogenesis in the Knee. *Cartilage*, **2019**, 1947603519870846	3	18
63	Autologous collagen-induced chondrogenesis technique (ACIC) for the treatment of chondral lesions of the talus. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2014**, 22, 1320-6	5.5	17
62	Dose-Related and Time-Dependent Development of Collagenase-Induced Tendinopathy in Rats. *PLoS ONE*, **2016**, 11, e0161590	3.7	16

61	miR-22-5p and miR-29a-5p Are Reliable Reference Genes for Analyzing Extracellular Vesicle-Associated miRNAs in Adipose-Derived Mesenchymal Stem Cells and Are Stable under Inflammatory Priming Mimicking Osteoarthritis Condition. *Stem Cell Reviews and Reports*, **2019**, 15, 743-754	7.3	15
60	Review: Interventions for Cartilage Disease: Current State-of-the-Art and Emerging Technologies. *Arthritis and Rheumatology*, **2017**, 69, 1363-1373	9.5	14
59	Insights into Inflammatory Priming of Adipose-Derived Mesenchymal Stem Cells: Validation of Extracellular Vesicles-Embedded miRNA Reference Genes as A Crucial Step for Donor Selection. *Cells*, **2019**, 8,	7.9	13
58	Tibial fixation in anterior cruciate ligament reconstruction with bone-patellar tendon-bone and semitendinosus-gracilis autografts: a comparison between bioabsorbable screws and bioabsorbable cross-pin fixation. *American Journal of Sports Medicine*, **2009**, 37, 808-12	6.8	13
57	Housekeeping Gene Stability in Human Mesenchymal Stem and Tendon Cells Exposed to Tenogenic Factors. *Tissue Engineering - Part C: Methods*, **2018**, 24, 360-367	2.9	12
56	Modified autologous matrix-induced chondrogenesis (AMIC) for the treatment of a large osteochondral defect in a varus knee: a case report. *Knee Surgery, Sports Traumatology, Arthroscopy* , **2012**, 20, 2287-90	5.5	12
55	New therapeutic approaches for management of sport-induced muscle strains. *Advances in Therapy*, **2009**, 26, 1072-83	4.1	12
54	Making Them Commit: Strategies to Influence Phenotypic Differentiation in Mesenchymal Stem Cells. *Sports Medicine and Arthroscopy Review*, **2018**, 26, 64-69	2.5	12
53	Treatment of osteochondral lesions of the talus with autologous collagen-induced chondrogenesis: clinical and magnetic resonance evaluation at one-year follow-up. *Joints*, **2016**, 4, 80-6	1.1	11
52	Silk/Fibroin Microcarriers for Mesenchymal Stem Cell Delivery: Optimization of Cell Seeding by the Design of Experiment. *Pharmaceutics*, **2018**, 10,	6.4	11
51	Intra-Articular Injection of Hydrolyzed Collagen to Treat Symptoms of Knee Osteoarthritis. A Functional In Vitro Investigation and a Pilot Retrospective Clinical Study. *Journal of Clinical Medicine* , **2019**, 8,	5.1	10
50	Patella Resurfacing in Total Knee Arthroplasty: A Series of 1280 Patients at Midterm Follow-Up. *Journal of Arthroplasty*, **2018**, 33, 696-699	4.4	9
49	Pulsed Electromagnetic Fields Improve Tenogenic Commitment of Umbilical Cord-Derived Mesenchymal Stem Cells: A Potential Strategy for Tendon Repair-An In Vitro Study. *Stem Cells International*, **2018**, 2018, 9048237	5	9
48	New Strategies in Cartilage Tissue Engineering for Osteoarthritic Patients: Infrapatellar Fat Pad as an Alternative Source of Progenitor Cells. *Journal of Biomaterials and Tissue Engineering*, **2011**, 1, 40-48	0.3	9
47	Plasma vitamin D and osteo-cartilaginous markers in Italian males affected by intervertebral disc degeneration: Focus on seasonal and pathological trend of type II collagen degradation. *Clinica Chimica Acta*, **2017**, 471, 87-93	6.2	8
46	Management of Osteoarthritis During the COVID-19 Pandemic. *Clinical Pharmacology and Therapeutics*, **2020**, 108, 719-729	6.1	8
45	Amniotic membrane-mesenchymal stromal cells secreted factors and extracellular vesicle-miRNAs: Anti-inflammatory and regenerative features for musculoskeletal tissues. *Stem Cells Translational Medicine*, **2021**, 10, 1044-1062	6.9	8
44	Cells, soluble factors and matrix harmonically play the concert of allograft integration. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2019**, 27, 1717-1725	5.5	8

43	Platelet-rich plasma injections induce disease-modifying effects in the treatment of osteoarthritis in animal models. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2021**, 29, 4100-4121	5.5	8
42	Amniotic Fluid, Cells, and Membrane Application. *Operative Techniques in Sports Medicine*, **2017**, 25, 20-24	0.4	7
41	Innovative Visualization and Quantification of Extracellular Vesicles Interaction with and Incorporation in Target Cells in 3D Microenvironments. *Cells*, **2020**, 9,	7.9	7
40	Autologous microfragmented adipose tissue reduces inflammatory and catabolic markers in supraspinatus tendon cells derived from patients affected by rotator cuff tears. *International Orthopaedics*, **2021**, 45, 419-426	3.8	7
39	Treatment with Human Amniotic Suspension Allograft Improves Tendon Healing in a Rat Model of Collagenase-Induced Tendinopathy. *Cells*, **2019**, 8,	7.9	6
38	High Levels of Circulating Type II Collagen Degradation Marker (CTx-II) Are Associated with Specific VDR Polymorphisms in Patients with Adult Vertebral Osteochondrosis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	6
37	Safety of unprotected carotid artery stent placement in symptomatic and asymptomatic patients: a retrospective analysis of 30-day combined adverse outcomes. *Radiology*, **2009**, 250, 178-83	20.5	6
36	Cartilage Protective and Immunomodulatory Features of Osteoarthritis Synovial Fluid-Treated Adipose-Derived Mesenchymal Stem Cells Secreted Factors and Extracellular Vesicles-Embedded miRNAs. *Cells*, **2021**, 10,	7.9	6
35	miRNA Reference Genes in Extracellular Vesicles Released from Amniotic Membrane-Derived Mesenchymal Stromal Cells. *Pharmaceutics*, **2020**, 12,	6.4	5
34	AMIC-Autologous Matrix-Induced Chondrogenesis Technique in Patellar Cartilage Defects Treatment: A Retrospective Study with a Mid-Term Follow-Up. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
33	Vitamin D's Effect on the Proliferation and Inflammation of Human Intervertebral Disc Cells in Relation to the Functional Vitamin D Receptor Gene FokI Polymorphism. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	5
32	Pulse Lavage Fails to Significantly Reduce Bone Marrow Content in Osteochondral Allografts: A Histological and DNA Quantification Study. *American Journal of Sports Medicine*, **2019**, 47, 2723-2728	6.8	5
31	Trends of anterior cruciate ligament reconstruction in children and young adolescents in Italy show a constant increase in the last 15 years. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2021**, 29, 1728-1733	5.5	5
30	Epidemiology of Posterior Cruciate Ligament Reconstructions in Italy: A 15-Year Study. *Journal of Clinical Medicine*, **2021**, 10,	5.1	5
29	Pain and Functional Scores in Patients Affected by Knee OA after Treatment with Pulsed Electromagnetic and Magnetic Fields: A Meta-Analysis. *Cartilage*, **2020**, 1947603520931168	3	4
28	Clinical and radiographic outcomes of the Birmingham Hip Resurfacing arthroplasty at a minimum follow-up of 10 years: results from an independent centre. *HIP International*, **2017**, 27, 134-139	1.7	4
27	Circulating OPG levels are reduced following infliximab treatment and correlate with CRP levels: is serum OPG a potential marker of IBD disease activity?. *Inflammatory Bowel Diseases*, **2011**, 17, E59-60	4.5	4
26	In vitro characterization of stem/progenitor cells from semitendinosus and gracilis tendons as a possible new tool for cell-based therapy for tendon disorders. *Joints*, **2014**, 2, 159-68	1.1	4

25	Autologous Microfragmented Adipose Tissue Reduces the Catabolic and Fibrosis Response in an In Vitro Model of Tendon Cell Inflammation. *Stem Cells International*, **2019**, 2019, 5620286	5	4
24	Evidence-Based Medicine (EBM) is properly perceived but its application is still limited in the orthopedic clinical practice: an online survey among the European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) members. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2020**, 28, 1665-1672	5.5	4
23	Clinical Applications of Adipose Tissue-Derived Stem Cells **2017**, 553-559		3
22	Reliable Reference Genes for Gene Expression Assessment in Tendon-Derived Cells under Inflammatory and Pro-Fibrotic/Healing Stimuli. *Cells*, **2019**, 8,	7.9	3
21	miR-26a-5p is a Stable Reference Gene for miRNA Studies in Chondrocytes from Developing Human Cartilage. *Cells*, **2019**, 8,	7.9	3
20	In Vitro Study of Extracellular Vesicles Migration in Cartilage-Derived Osteoarthritis Samples Using Real-Time Quantitative Multimodal Nonlinear Optics Imaging. *Pharmaceutics*, **2020**, 12,	6.4	3
19	miR-103a-3p and miR-22-5p Are Reliable Reference Genes in Extracellular Vesicles From Cartilage, Adipose Tissue, and Bone Marrow Cells. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 632440	5.8	3
18	Pulsed electromagnetic fields improve the healing process of Achilles tendinopathy: a pilot study in a rat model. *Bone and Joint Research*, **2020**, 9, 613-622	4.2	2
17	Superior Osteo-Inductive and Osteo-Conductive Properties of Trabecular Titanium vs. PEEK Scaffolds on Human Mesenchymal Stem Cells: A Proof of Concept for the Use of Fusion Cages. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
16	The Effect of Three Different Suture Anchors for Rotator Cuff Repair on Primary Cultures of Human Bone Marrow Mesenchymal Stem Cells. *Joints*, **2018**, 6, 100-103	1.1	1
15	A single step, centrifuge-free method to harvest bone marrow highly concentrated in mesenchymal stem cells: results of a pilot trial. *International Orthopaedics*, **2021**, 1	3.8	1
14	Novel Radiographic Indexes for Elbow Stability Assessment: Part A-Cadaveric Validation. *Indian Journal of Orthopaedics*, **2021**, 55, 336-346	1.3	1
13	Adipose-Derived Mesenchymal Stromal Cells Treated with Interleukin 1 Beta Produced Chondro-Protective Vesicles Able to Fast Penetrate in Cartilage. *Cells*, **2021**, 10,	7.9	1
12	Evaluation of Different Seeding Methods for Cell-Seeded Collagen Matrix-Supported Autologous Chondrocyte Transplantation. *Joints*, **2018**, 6, 215-219	1.1	1
11	Choosing patient-reported outcome measures for shoulder pathology. *EFORT Open Reviews*, **2021**, 6, 779-787	5.5	1
10	Autologous Microfragmented Adipose Tissue for the Treatment of Knee Osteoarthritis: Real-World Data at Two Years Follow-Up.. *Journal of Clinical Medicine*, **2022**, 11,	5.1	1
9	Tendon Cells Derived From The Long Head Of The Biceps And The Supraspinatus Tendons Of Patients Affected By Rotator Cuff Tears Show Different Expression Of Inflammatory Markers. *Connective Tissue Research*, **2021**, 62, 570-579	3.3	0
8	Systematic review and meta-analysis on the use of human platelet lysate for mesenchymal stem cell cultures: comparison with fetal bovine serum and considerations on the production protocol.. *Stem Cell Research and Therapy*, **2022**, 13, 142	8.3	0

7	The effects of orthobiologics in the treatment of tendon pathologies: a systematic review of preclinical evidence.. *Journal of Experimental Orthopaedics*, **2022**, 9, 31	2.3	0
6	The Role of MSCs for Nonsurgical Treatment of OA **2018**, 165-175		
5	Biology of Rotator Cuff Injury and Repair **2020**, 11-25		
4	Adipose-Derived Stem/Stromal Cells, Stromal Vascular Fraction, and Microfragmented Adipose Tissue **2022**, 47-61		
3	Fat-Derived Stem Cells **2022**, 221-230		
2	A2A adenosine receptors are involved in the reparative response of tendon cells to pulsed electromagnetic fields. *PLoS ONE*, **2020**, 15, e0239807	3.7	
1	Treatment of Primary Shoulder Stiffness: Results of a Survey on Surgeon Practice Patterns in Italy. *Joints*, **2019**, 7, 165-173	1.1	