

Marco Vigano

List of Publications by Citations

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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.

58

papers

801

citations

19

h-index

26

g-index

63

ext. papers

1,111

ext. citations

4.5

avg, IF

4.43

L-index

#	Paper	IF	Citations
58	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. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018 , 26, 2000-2010	5.5	77
57	Low frequency pulsed electromagnetic field affects proliferation, tissue-specific gene expression, and cytokines release of human tendon cells. <i>Cell Biochemistry and Biophysics</i> , 2013 , 66, 697-708	3.2	56
56	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. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 109	8.3	35
55	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. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 165	8.3	35
54	Mesenchymal stem cells in the treatment of articular cartilage degeneration: New biological insights for an old-timer cell. <i>Cytotherapy</i> , 2019 , 21, 1179-1197	4.8	35
53	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. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 1204-15	3.5	30
52	In vitro functional response of human tendon cells to different dosages of low-frequency pulsed electromagnetic field. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015 , 23, 3443-53	5.5	29
51	Simultaneous bilateral total hip arthroplasties do not lead to higher complication or allogeneic transfusion rates compared to unilateral procedures. <i>International Orthopaedics</i> , 2013 , 37, 2125-30	3.8	28
50	Fabrication of Innovative Silk/Alginate Microcarriers for Mesenchymal Stem Cell Delivery and Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	28
49	Multidifferentiation potential of human mesenchymal stem cells from adipose tissue and hamstring tendons for musculoskeletal cell-based therapy. <i>Regenerative Medicine</i> , 2015 , 10, 729-43	2.5	27
48	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. <i>Journal of Clinical Medicine</i> , 2020 , 9, 1000000	5.1	26
47	Identification of miRNA Reference Genes in Extracellular Vesicles from Adipose Derived Mesenchymal Stem Cells for Studying Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	25
46	The Gender Impact Assessment among Healthcare Workers in the SARS-CoV-2 Vaccination-An Analysis of Serological Response and Side Effects. <i>Vaccines</i> , 2021 , 9,	5.3	25
45	In Vitro Induction of Tendon-Specific Markers in Tendon Cells, Adipose- and Bone Marrow-Derived Stem Cells is Dependent on TGF β , BMP-12 and Ascorbic Acid Stimulation. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	24
44	Mesenchymal stem cells as therapeutic target of biophysical stimulation for the treatment of musculoskeletal disorders. <i>Journal of Orthopaedic Surgery and Research</i> , 2016 , 11, 163	2.8	23
43	Secreted Factors and EV-miRNAs Orchestrate the Healing Capacity of Adipose Mesenchymal Stem Cells for the Treatment of Knee Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
42	Human Diseased Articular Cartilage Contains a Mesenchymal Stem Cell-Like Population of Chondroprogenitors with Strong Immunomodulatory Responses. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	21

41	Onsets of complications and revisions are not increased after simultaneous bilateral unicompartmental knee arthroplasty in comparison with unilateral procedures. <i>International Orthopaedics</i> , 2015 , 39, 871-7	3.8	21
40	Blood management and transfusion strategies in 600 patients undergoing total joint arthroplasty: an analysis of pre-operative autologous blood donation. <i>Blood Transfusion</i> , 2013 , 11, 370-6	3.6	19
39	Dose-Related and Time-Dependent Development of Collagenase-Induced Tendinopathy in Rats. <i>PLoS ONE</i> , 2016 , 11, e0161590	3.7	16
38	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. <i>Stem Cell Reviews and Reports</i> , 2019 , 15, 743-754	7.3	15
37	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. <i>Cells</i> , 2019 , 8,	7.9	13
36	Validation of the Italian version of the Oxford Ankle Foot Questionnaire for children. <i>Quality of Life Research</i> , 2016 , 25, 117-23	3.7	12
35	Housekeeping Gene Stability in Human Mesenchymal Stem and Tendon Cells Exposed to Tenogenic Factors. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 360-367	2.9	12
34	Graft Inclination Angles in Anterior Cruciate Ligament Reconstruction Vary Depending on Femoral Tunnel Reaming Method: Comparison Among Transtibial, Anteromedial Portal, and Outside-In Retrograde Drilling Techniques. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2020 , 36, 1095-1102	5.4	12
33	Silk/Fibroin Microcarriers for Mesenchymal Stem Cell Delivery: Optimization of Cell Seeding by the Design of Experiment. <i>Pharmaceutics</i> , 2018 , 10,	6.4	11
32	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , 2019 , 203, 2339-2350	5.3	10
31	Harmonization of six quantitative SARS-CoV-2 serological assays using sera of vaccinated subjects. <i>Clinica Chimica Acta</i> , 2021 , 522, 144-151	6.2	10
30	Pulsed Electromagnetic Fields Improve Tenogenic Commitment of Umbilical Cord-Derived Mesenchymal Stem Cells: A Potential Strategy for Tendon Repair-An In Vitro Study. <i>Stem Cells International</i> , 2018 , 2018, 9048237	5	9
29	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. <i>Clinica Chimica Acta</i> , 2017 , 471, 87-93	6.2	8
28	Management of Osteoarthritis During the COVID-19 Pandemic. <i>Clinical Pharmacology and Therapeutics</i> , 2020 , 108, 719-729	6.1	8
27	Amniotic membrane-mesenchymal stromal cells secreted factors and extracellular vesicle-miRNAs: Anti-inflammatory and regenerative features for musculoskeletal tissues. <i>Stem Cells Translational Medicine</i> , 2021 , 10, 1044-1062	6.9	8
26	Autologous microfragmented adipose tissue reduces inflammatory and catabolic markers in supraspinatus tendon cells derived from patients affected by rotator cuff tears. <i>International Orthopaedics</i> , 2021 , 45, 419-426	3.8	7
25	Rationale and pre-clinical evidences for the use of autologous cartilage micrografts in cartilage repair. <i>Journal of Orthopaedic Surgery and Research</i> , 2018 , 13, 279	2.8	7
24	High Levels of Circulating Type II Collagen Degradation Marker (CTX-II) Are Associated with Specific VDR Polymorphisms in Patients with Adult Vertebral Osteochondrosis. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	6

23	Cartilage Protective and Immunomodulatory Features of Osteoarthritis Synovial Fluid-Treated Adipose-Derived Mesenchymal Stem Cells Secreted Factors and Extracellular Vesicles-Embedded miRNAs. <i>Cells</i> , 2021 , 10,	7.9	6
22	Remote Management of Patients after Total Joint Arthroplasty via a Web-Based Registry during the COVID-19 Pandemic. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	6
21	miRNA Reference Genes in Extracellular Vesicles Released from Amniotic Membrane-Derived Mesenchymal Stromal Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	5
20	Vitamin D δ Effect on the Proliferation and Inflammation of Human Intervertebral Disc Cells in Relation to the Functional Vitamin D Receptor Gene FokI Polymorphism. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
19	Epidemiology of Posterior Cruciate Ligament Reconstructions in Italy: A 15-Year Study. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	5
18	Pain and Functional Scores in Patients Affected by Knee OA after Treatment with Pulsed Electromagnetic and Magnetic Fields: A Meta-Analysis. <i>Cartilage</i> , 2020 , 1947603520931168	3	4
17	Autologous Microfragmented Adipose Tissue Reduces the Catabolic and Fibrosis Response in an In Vitro Model of Tendon Cell Inflammation. <i>Stem Cells International</i> , 2019 , 2019, 5620286	5	4
16	In Vitro Study of Extracellular Vesicles Migration in Cartilage-Derived Osteoarthritis Samples Using Real-Time Quantitative Multimodal Nonlinear Optics Imaging. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
15	miR-103a-3p and miR-22-5p Are Reliable Reference Genes in Extracellular Vesicles From Cartilage, Adipose Tissue, and Bone Marrow Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 632440	5.8	3
14	Pulsed electromagnetic fields improve the healing process of Achilles tendinopathy: a pilot study in a rat model. <i>Bone and Joint Research</i> , 2020 , 9, 613-622	4.2	2
13	Effect of the COVID-19 Outbreak on Pediatric Patients Admissions to the Emergency Department in an Italian Orthopedic Trauma Hub. <i>Children</i> , 2021 , 8,	2.8	2
12	A single step, centrifuge-free method to harvest bone marrow highly concentrated in mesenchymal stem cells: results of a pilot trial. <i>International Orthopaedics</i> , 2021 , 1	3.8	1
11	Adipose-Derived Mesenchymal Stromal Cells Treated with Interleukin 1 Beta Produced Chondro-Protective Vesicles Able to Fast Penetrate in Cartilage. <i>Cells</i> , 2021 , 10,	7.9	1
10	Classification of endplate lesions in the lumbar spine and association with risk factors, biochemistry, and genetics. <i>European Spine Journal</i> , 2021 , 30, 2231-2237	2.7	1
9	Evaluation of Different Seeding Methods for Cell-Seeded Collagen Matrix-Supported Autologous Chondrocyte Transplantation. <i>Joints</i> , 2018 , 6, 215-219	1.1	1
8	Autologous Microfragmented Adipose Tissue for the Treatment of Knee Osteoarthritis: Real-World Data at Two Years Follow-Up.. <i>Journal of Clinical Medicine</i> , 2022 , 11,	5.1	1
7	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. <i>Connective Tissue Research</i> , 2021 , 62, 570-579	3.3	0
6	Exploratory assessment of serological tests to determine antibody titer against SARS-CoV-2: Appropriateness and limits.. <i>Journal of Clinical Laboratory Analysis</i> , 2022 , e24363	3	0

- 5 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
- 4 Adipose-Derived Stem/Stromal Cells, Stromal Vascular Fraction, and Microfragmented Adipose Tissue **2022**, 47-61
- 3 A2A adenosine receptors are involved in the reparative response of tendon cells to pulsed electromagnetic fields. *PLoS ONE*, **2020**, 15, e0239807 3.7
- 2 Italian Translation, Adaptation, and Validation of the Novel Satisfaction Measure Assessment after Primary Total Joint Arthroplasty: The Goodman Score Questionnaire. *Healthcare (Switzerland)*, **2022**, 10, 769 3.4
- 1 Is Caton-Deschamps Index Reliable and Reproducible in Preoperative Assessment of Patellar Height for Patellar Instability Surgery?. *Applied Sciences (Switzerland)*, **2022**, 12, 5251 2.6