

Marco Vigano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5489049/publications.pdf>

Version: 2024-02-01

63
papers

1,380
citations

304368

22
h-index

395343

33
g-index

63
all docs

63
docs citations

63
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.3	99
2	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.	2.4	76
3	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.	0.9	69
4	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.	2.4	60
5	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.	0.3	54
6	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, 522.	2.1	52
7	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> , 2019, 8, 392.	1.0	47
8	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, 1582.	1.8	46
9	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.	1.6	46
10	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, 423.	1.0	42
11	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, 1204-1215.	0.7	41
12	In Vitro Induction of Tendon-Specific Markers in Tendon Cells, Adipose- and Bone Marrow-Derived Stem Cells is Dependent on TGF β 23, BMP-12 and Ascorbic Acid Stimulation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 149.	1.8	41
13	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, 2125-2130.	0.9	36
14	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, 3443-3453.	2.3	35
15	Fabrication of Innovative Silk/Alginate Microcarriers for Mesenchymal Stem Cell Delivery and Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1829.	1.8	35
16	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, 1108.	1.8	35
17	Multidifferentiation potential of human mesenchymal stem cells from adipose tissue and hamstring tendons for musculoskeletal cell-based therapy. <i>Regenerative Medicine</i> , 2015, 10, 729-743.	0.8	33
18	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, 871-877.	0.9	31

#	ARTICLE	IF	CITATIONS
19	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.	0.9	29
20	Harmonization of six quantitative SARS-CoV-2 serological assays using sera of vaccinated subjects. <i>Clinica Chimica Acta</i> , 2021, 522, 144-151.	0.5	28
21	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.	0.3	25
22	Dose-Related and Time-Dependent Development of Collagenase-Induced Tendinopathy in Rats. <i>PLoS ONE</i> , 2016, 11, e0161590.	1.1	24
23	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, 369.	1.8	23
24	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, 1072.	1.8	21
25	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.	1.3	20
26	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , 2019, 203, 2339-2350.	0.4	18
27	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.	1.7	17
28	Management of Osteoarthritis During the COVID-19 Pandemic. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 719-729.	2.3	17
29	Validation of the Italian version of the Oxford Ankle Foot Questionnaire for children. <i>Quality of Life Research</i> , 2016, 25, 117-123.	1.5	16
30	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.	1.1	16
31	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, 1-18.	1.2	16
32	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, 734.	2.0	14
33	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.	2.0	14
34	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, 1268.	1.0	14
35	Pain and Functional Scores in Patients Affected by Knee OA after Treatment with Pulsed Electromagnetic and Magnetic Fields: A Meta-Analysis. <i>Cartilage</i> , 2021, 13, 1749S-1760S.	1.4	13
36	Epidemiology of Posterior Cruciate Ligament Reconstructions in Italy: A 15-Year Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 499.	1.0	13

#	ARTICLE	IF	CITATIONS
37	Silk/Fibroin Microcarriers for Mesenchymal Stem Cell Delivery: Optimization of Cell Seeding by the Design of Experiment. <i>Pharmaceutics</i> , 2018, 10, 200.	2.0	12
38	miRNA Reference Genes in Extracellular Vesicles Released from Amniotic Membrane-Derived Mesenchymal Stromal Cells. <i>Pharmaceutics</i> , 2020, 12, 347.	2.0	12
39	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, 1180.	1.8	12
40	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.	0.5	11
41	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.	0.9	10
42	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. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2002.	1.8	10
43	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.	0.9	10
44	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, 2073.	1.8	9
45	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, 1-10.	1.2	9
46	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, 645.	0.6	9
47	Remote Management of Patients after Total Joint Arthroplasty via a Web-Based Registry during the COVID-19 Pandemic. <i>Healthcare (Switzerland)</i> , 2021, 9, 1296.	1.0	8
48	High-Throughput Gene and Protein Analysis Revealed the Response of Disc Cells to Vitamin D, Depending on the VDR FokI Variants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9603.	1.8	6
49	Exploratory assessment of serological tests to determine antibody titer against SARS-CoV-2: Appropriateness and limits. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, e24363.	0.9	6
50	Pulsed electromagnetic fields improve the healing process of Achilles tendinopathy. <i>Bone and Joint Research</i> , 2020, 9, 613-622.	1.3	5
51	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.	1.0	5
52	Knee Pathology before and after SARS-CoV-2 Pandemic: An Analysis of 1139 Patients. <i>Healthcare (Switzerland)</i> , 2021, 9, 1311.	1.0	4
53	In vitro characterization of stem/progenitor cells from semitendinosus and gracilis tendons as a possible new tool for cell-based therapy for tendon disorders. <i>Joints</i> , 0, , .	1.5	4
54	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> , 2022, 46, 391-400.	0.9	4

#	ARTICLE	IF	CITATIONS
55	The effects of orthobiologics in the treatment of tendon pathologies: a systematic review of preclinical evidence. <i>Journal of Experimental Orthopaedics</i> , 2022, 9, 31.	0.8	4
56	Characterization of Microfragmented Adipose Tissue Architecture, Mesenchymal Stromal Cell Content and Release of Paracrine Mediators. <i>Journal of Clinical Medicine</i> , 2022, 11, 2231.	1.0	4
57	A2A adenosine receptors are involved in the reparative response of tendon cells to pulsed electromagnetic fields. <i>PLoS ONE</i> , 2020, 15, e0239807.	1.1	2
58	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.	1.1	2
59	Italian Translation, Adaptation, and Validation of the Novel Satisfaction Measure Assessment after Primary Total Joint Arthroplasty: The Goodman Score Questionnaire. <i>Healthcare (Switzerland)</i> , 2022, 10, 769.	1.0	2
60	Is Catonâ€™Deschamps Index Reliable and Reproducible in Preoperative Assessment of Patellar Height for Patellar Instability Surgery?. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5251.	1.3	2
61	Evaluation of Different Seeding Methods for Cell-Seeded Collagen Matrix-Supported Autologous Chondrocyte Transplantation. <i>Joints</i> , 2018, 06, 215-219.	1.5	1
62	Endogenous Controls for the Evaluation of Osteoarthritis-Related miRNAs in Extracellular Vesicles from Bone-Marrow-Derived Mesenchymal Stromal Cells and the Impact of Osteoarthritis Synovial Fluid. <i>Biomolecules</i> , 2022, 12, 316.	1.8	1
63	Adipose-Derived Stem/Stromal Cells, Stromal Vascular Fraction, and Microfragmented Adipose Tissue. , 2022, , 47-61.		0