

# Francesca Diomede

## List of Publications by Year in descending order

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86  
papers

3,422  
citations

109321

35  
h-index

161849

54  
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86  
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86  
docs citations

86  
times ranked

3543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decellularized Dental Pulp, Extracellular Vesicles, and 5-Azacytidine: A New Tool for Endodontic Regeneration. <i>Biomedicines</i> , 2022, 10, 403.	3.2	11
2	The Beneficial Effect of Carvacrol in HL-1 Cardiomyocytes Treated with LPS-G: Anti-Inflammatory Pathway Investigations. <i>Antioxidants</i> , 2022, 11, 386.	5.1	11
3	Potential Anti-Inflammatory Effects of a New Lyophilized Formulation of the Conditioned Medium Derived from Periodontal Ligament Stem Cells. <i>Biomedicines</i> , 2022, 10, 683.	3.2	1
4	A Narrative Review: Gingival Stem Cells as a Limitless Reservoir for Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4135.	4.1	15
5	Novel Translational Read-throughâ€“Inducing Drugs as a Therapeutic Option for Shwachman-Diamond Syndrome. <i>Biomedicines</i> , 2022, 10, 886.	3.2	7
6	Exosomes as Carriers for Notch Molecules. <i>Methods in Molecular Biology</i> , 2022, , 197-208.	0.9	1
7	Microplastics Affect the Inflammation Pathway in Human Gingival Fibroblasts: A Study in the Adriatic Sea. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7782.	2.6	14
8	Immunomodulating Profile of Dental Mesenchymal Stromal Cells: A Comprehensive Overview. <i>Frontiers in Oral Health</i> , 2021, 2, 635055.	3.0	17
9	Transforming Growth Factor-Beta1 and Human Gingival Fibroblast-to-Myofibroblast Differentiation: Molecular and Morphological Modifications. <i>Frontiers in Physiology</i> , 2021, 12, 676512.	2.8	14
10	Oral Bone Tissue Regeneration: Mesenchymal Stem Cells, Secretome, and Biomaterials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5236.	4.1	55
11	Antioxidant Ascorbic Acid Modulates NLRP3 Inflammasome in LPS-G Treated Oral Stem Cells through NFÎ±B/Caspase-1/IL-1Î² Pathway. <i>Antioxidants</i> , 2021, 10, 797.	5.1	17
12	Epithelial-Mesenchymal Transition (EMT): The Type-2 EMT in Wound Healing, Tissue Regeneration and Organ Fibrosis. <i>Cells</i> , 2021, 10, 1587.	4.1	146
13	The Effect of Liposomal Curcumin as an Anti-Inflammatory Strategy on Lipopolysaccharide e from <i>Porphyromonas gingivalis</i> Treated Endothelial Committed Neural Crest Derived Stem Cells: Morphological and Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7534.	4.1	16
14	Effects of growth hormone-releasing hormone receptor antagonist MIA-602 in mice with emotional disorders: a potential treatment for PTSD. <i>Molecular Psychiatry</i> , 2021, 26, 7465-7474.	7.9	7
15	Role of ascorbic acid in the regulation of epigenetic processes induced by <i>Porphyromonas gingivalis</i> in endothelial-committed oral stem cells. <i>Histochemistry and Cell Biology</i> , 2021, 156, 423-436.	1.7	5
16	Human Periodontal Ligament Stem Cells Response to Titanium Implant Surface: Extracellular Matrix Deposition. <i>Biology</i> , 2021, 10, 931.	2.8	16
17	MicroRNA Profiling of HL-1 Cardiac Cells-Derived Extracellular Vesicles. <i>Cells</i> , 2021, 10, 273.	4.1	3
18	Ascorbic Acid: A New Player of Epigenetic Regulation in LPS-gingivalis Treated Human Periodontal Ligament Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	4.0	32

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19	Transcriptomic analysis revealed increased expression of genes involved in keratinization in the tears of COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 19817.	3.3	9
20	Enhanced Extracellular Matrix Deposition on Titanium Implant Surfaces: Cellular and Molecular Evidences. <i>Biomedicines</i> , 2021, 9, 1710.	3.2	16
21	In vivo and in vitro results of an automated preloaded delivery system for IOL implantation in cataract surgery. <i>International Ophthalmology</i> , 2020, 40, 125-134.	1.4	14
22	Short Peptides Protect Oral Stem Cells from Ageing. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 159-166.	3.8	17
23	A Novel Role of Ascorbic Acid in Anti-Inflammatory Pathway and ROS Generation in HEMA Treated Dental Pulp Stem Cells. <i>Materials</i> , 2020, 13, 130.	2.9	36
24	Short ELF-EMF Exposure Targets SIRT1/Nrf2/HO-1 Signaling in THP-1 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7284.	4.1	25
25	Stem Cells Secretome from Oral Tissue Could Represent a Promising Therapeutic Approach in COVID-19-Disease?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6833.	4.1	3
26	Diameters and Fluorescence Calibration for Extracellular Vesicle Analyses by Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7885.	4.1	35
27	Functional Relationship between Osteogenesis and Angiogenesis in Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3242.	4.1	210
28	Enhanced VEGF/VEGF-R and RUNX2 Expression in Human Periodontal Ligament Stem Cells Cultured on Sandblasted/Etched Titanium Disk. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 315.	3.7	27
29	Could the Enrichment of a Biomaterial with Conditioned Medium or Extracellular Vesicles Modify Bone-Remodeling Kinetics during a Defect Healing? Evaluations on Rat Calvaria with Synchrotron-Based Microtomography. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2336.	2.5	3
30	AEDG Peptide (Epitalon) Stimulates Gene Expression and Protein Synthesis during Neurogenesis: Possible Epigenetic Mechanism. <i>Molecules</i> , 2020, 25, 609.	3.8	14
31	VEGF/VEGF-R/RUNX2 Upregulation in Human Periodontal Ligament Stem Cells Seeded on Dual Acid Etched Titanium Disk. <i>Materials</i> , 2020, 13, 706.	2.9	25
32	Extracellular Vesicles Derived from Human Gingival Mesenchymal Stem Cells: A Transcriptomic Analysis. <i>Genes</i> , 2020, 11, 118.	2.4	49
33	HEMA Effects on Autophagy Mechanism in Human Dental Pulp Stem Cells. <i>Materials</i> , 2019, 12, 2285.	2.9	11
34	3D Printing PLA/Gingival Stem Cells/ EVs Upregulate miR-2861 and -210 during Osteoangiogenesis Commitment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3256.	4.1	74
35	3D Human Periodontal Stem Cells and Endothelial Cells Promote Bone Development in Bovine Pericardium-Based Tissue Biomaterial. <i>Materials</i> , 2019, 12, 2157.	2.9	16
36	Human Oral Stem Cells, Biomaterials and Extracellular Vesicles: A Promising Tool in Bone Tissue Repair. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4987.	4.1	90

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37	Bovine pericardium membrane, gingival stem cells, and ascorbic acid: a novel team in regenerative medicine. <i>European Journal of Histochemistry</i> , 2019, 63, .	1.5	13
38	Moringin Pretreatment Inhibits the Expression of Genes Involved in Mitophagy in the Stem Cell of the Human Periodontal Ligament. <i>Molecules</i> , 2019, 24, 3217.	3.8	20
39	Engineered Extracellular Vesicles From Human Periodontal-Ligament Stem Cells Increase VEGF/VEGFR2 Expression During Bone Regeneration. <i>Frontiers in Physiology</i> , 2019, 10, 512.	2.8	98
40	Curcumin/Liposome Nanotechnology as Delivery Platform for Anti-inflammatory Activities via NFkB/ERK/pERK Pathway in Human Dental Pulp Treated With 2-HydroxyEthyl MethAcrylate (HEMA). <i>Frontiers in Physiology</i> , 2019, 10, 633.	2.8	76
41	Periodontal Ligament Stem Cells: Current Knowledge and Future Perspectives. <i>Stem Cells and Development</i> , 2019, 28, 995-1003.	2.1	131
42	Physiological Expression of Ion Channel Receptors in Human Periodontal Ligament Stem Cells. <i>Cells</i> , 2019, 8, 219.	4.1	4
43	Effect of short peptides on neuronal differentiation of stem cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2019, 33, 205873841982861.	2.1	33
44	Human gingival mesenchymal stem cells pretreated with vesicular moringin nanostructures as a new therapeutic approach in a mouse model of spinal cord injury. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1109-1121.	2.7	55
45	MRAP2 regulates endometrial receptivity and function. <i>Gene</i> , 2019, 703, 7-12.	2.2	4
46	Transcriptomic Analysis of Stem Cells Treated with Moringin or Cannabidiol: Analogies and Differences in Inflammation Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6039.	4.1	18
47	The Role of Hypoxia on the Neuronal Differentiation of Gingival Mesenchymal Stem Cells: A Transcriptional Study. <i>Cell Transplantation</i> , 2019, 28, 538-552.	2.5	14
48	Three-dimensional printed PLA scaffold and human gingival stem cell-derived extracellular vesicles: a new tool for bone defect repair. <i>Stem Cell Research and Therapy</i> , 2018, 9, 104.	5.5	196
49	Transcriptomic analysis of gingival mesenchymal stem cells cultured on 3D bioprinted scaffold: A promising strategy for neuroregeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 126-137.	4.0	47
50	Laser photobiomodulation in pressure ulcer healing of human diabetic patients: gene expression analysis of inflammatory biochemical markers. <i>Lasers in Medical Science</i> , 2018, 33, 165-171.	2.1	55
51	Endothelial committed oral stem cells as modelling in the relationship between periodontal and cardiovascular disease. <i>Journal of Cellular Physiology</i> , 2018, 233, 6734-6747.	4.1	43
52	MicroRNA 210 Mediates VEGF Upregulation in Human Periodontal Ligament Stem Cells Cultured on 3D Hydroxyapatite Ceramic Scaffold. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3916.	4.1	51
53	Laser Photobiomodulation Over Teeth Subjected to Orthodontic Movement. <i>Photomedicine and Laser Surgery</i> , 2018, 36, 647-652.	2.0	2
54	5-Aza Exposure Improves Reprogramming Process Through Embryoid Body Formation in Human Gingival Stem Cells. <i>Frontiers in Genetics</i> , 2018, 9, 419.	2.3	46

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55	A novel role in skeletal segment regeneration of extracellular vesicles released from periodontal-ligament stem cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3805-3825.	6.7	77
56	Biotherapeutic Effect of Gingival Stem Cells Conditioned Medium in Bone Tissue Restoration. <i>International Journal of Molecular Sciences</i> , 2018, 19, 329.	4.1	74
57	Biofunctionalized Scaffold in Bone Tissue Repair. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1022.	4.1	65
58	Treatment of Periodontal Ligament Stem Cells with MOR and CBD Promotes Cell Survival and Neuronal Differentiation via the PI3K/Akt/mTOR Pathway. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2341.	4.1	29
59	Moringin Induces Neural Differentiation in the Stem Cell of the Human Periodontal Ligament. <i>Scientific Reports</i> , 2018, 8, 9153.	3.3	27
60	Conditioned medium from relapsing-remitting multiple sclerosis patients reduces the expression and release of inflammatory cytokines induced by LPS-gingivalis in THP-1 and MO3.13 cell lines. <i>Cytokine</i> , 2017, 96, 261-272.	3.2	47
61	Reprogramming of Oncogene Expression in Gingival Mesenchymal Stem Cells Following Long-Term Culture In Vitro. <i>Cellular Reprogramming</i> , 2017, 19, 159-170.	0.9	6
62	Cannabidiol Activates Neuronal Precursor Genes in Human Gingival Mesenchymal Stromal Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1531-1546.	2.6	22
63	Prolonged Expansion Induces Spontaneous Neural Progenitor Differentiation from Human Gingiva-Derived Mesenchymal Stem Cells. <i>Cellular Reprogramming</i> , 2017, 19, 389-401.	0.9	10
64	Anti-inflammatory effects of hypoxia-preconditioned human periodontal ligament cell secretome in an experimental model of multiple sclerosis: a key role of IL-37. <i>FASEB Journal</i> , 2017, 31, 5592-5608.	0.5	68
65	Human periodontal ligament stem cells secretome from multiple sclerosis patients suppresses NALP3 inflammasome activation in experimental autoimmune encephalomyelitis. <i>International Journal of Immunopathology and Pharmacology</i> , 2017, 30, 238-252.	2.1	54
66	Conditioned medium from human gingival mesenchymal stem cells protects motor-neuron-like NSC-34 cells against scratch-injury-induced cell death. <i>International Journal of Immunopathology and Pharmacology</i> , 2017, 30, 383-394.	2.1	36
67	Gingival Stromal Cells as an In Vitro Model: Cannabidiol Modulates Genes Linked With Amyotrophic Lateral Sclerosis. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 819-828.	2.6	43
68	Cannabidiol Modulates the Expression of Alzheimer's Disease-Related Genes in Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 26.	4.1	72
69	Role of Cortico-Cancellous Heterologous Bone in Human Periodontal Ligament Stem Cell Xeno-Free Culture Studied by Synchrotron Radiation Phase-Contrast Microtomography. <i>International Journal of Molecular Sciences</i> , 2017, 18, 364.	4.1	19
70	Stemness Maintenance Properties in Human Oral Stem Cells after Long-Term Passage. <i>Stem Cells International</i> , 2017, 2017, 1-14.	2.5	58
71	Stemness Characteristics of Periodontal Ligament Stem Cells from Donors and Multiple Sclerosis Patients: A Comparative Study. <i>Stem Cells International</i> , 2017, 2017, 1-14.	2.5	19
72	MyD88/ERK/NF- $\kappa$ B pathways and pro-inflammatory cytokines release in periodontal ligament stem cells stimulated by <i>Porphyromonas gingivalis</i> . <i>European Journal of Histochemistry</i> , 2017, 61, 2791.	1.5	75

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73	Porphyromonas gingivalis lipopolysaccharide stimulation in human periodontal ligament stem cells: role of epigenetic modifications to the inflammation. European Journal of Histochemistry, 2017, 61, 2826.	1.5	46
74	Cannabidiol Modulates the Immunophenotype and Inhibits the Activation of the Inflammasome in Human Gingival Mesenchymal Stem Cells. Frontiers in Physiology, 2016, 7, 559.	2.8	59
75	Comparative Study of the Physiotherapeutic and Drug Protocol and Low-Level Laser Irradiation in the Treatment of Pain Associated with Temporomandibular Dysfunction. Photomedicine and Laser Surgery, 2016, 34, 652-656.	2.0	26
76	The secretome of periodontal ligament stem cells from MS patients protects against EAE. Scientific Reports, 2016, 6, 38743.	3.3	97
77	Nuclear translocation of PKC $\zeta$ isoenzyme is involved in neurogenic commitment of human neural crest-derived periodontal ligament stem cells. Cellular Signalling, 2016, 28, 1631-1641.	3.6	40
78	Immobilization and delivery of biologically active Lipoxin A 4 using electrospinning technology. International Journal of Pharmaceutics, 2016, 515, 254-261.	5.2	7
79	Conditioned medium of periodontal ligament mesenchymal stem cells exert anti-inflammatory effects in lipopolysaccharide-activated mouse motoneurons. Experimental Cell Research, 2016, 349, 152-161.	2.6	55
80	Alternative source of stem cells derived from human periodontal ligament: a new treatment for experimental autoimmune encephalomyelitis. Stem Cell Research and Therapy, 2016, 7, 1.	5.5	144
81	Human Periodontal Stem Cells Release Specialized Proresolving Mediators and Carry Immunomodulatory and Prohealing Properties Regulated by Lipoxins. Stem Cells Translational Medicine, 2016, 5, 20-32.	3.3	82
82	Assessment of an Efficient Xeno-Free Culture System of Human Periodontal Ligament Stem Cells. Tissue Engineering - Part C: Methods, 2015, 21, 52-64.	2.1	43
83	Evaluation of the Proliferative Effects Induced by Low-Level Laser Therapy in Bone Marrow Stem Cell Culture. Photomedicine and Laser Surgery, 2015, 33, 610-616.	2.0	44
84	Xeno-Free Culture of Human Periodontal Ligament Stem Cells. Methods in Molecular Biology, 2014, 1283, 87-92.	0.9	7
85	The Role of Hypoxia in Improving the Therapeutic Potential of Mesenchymal Stromal Cells. A Comparative Study From Healthy Lung and Congenital Pulmonary Airway Malformations in Infants. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	2
86	Improved osteogenic differentiation by extremely low electromagnetic field exposure: possible application for bone engineering. Histochemistry and Cell Biology, 0, , .	1.7	1