

# Oriana Trubiani

## List of Publications by Year in descending order

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101  
papers

4,041  
citations

76196

40  
h-index

133063

59  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Relationship between Osteogenesis and Angiogenesis in Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3242.	1.8	210
2	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.	2.4	196
3	Rat astroglial P2Z (P2X7) receptors regulate intracellular calcium and purine release. <i>NeuroReport</i> , 1996, 7, 2533-2538.	0.6	154
4	Epithelial-Mesenchymal Transition (EMT): The Type-2 EMT in Wound Healing, Tissue Regeneration and Organ Fibrosis. <i>Cells</i> , 2021, 10, 1587.	1.8	146
5	Alternative source of stem cells derived from human periodontal ligament: a new treatment for experimental autoimmune encephalomyelitis. <i>Stem Cell Research and Therapy</i> , 2016, 7, 1.	2.4	144
6	Periodontal Ligament Stem Cells: Current Knowledge and Future Perspectives. <i>Stem Cells and Development</i> , 2019, 28, 995-1003.	1.1	131
7	Engineered Extracellular Vesicles From Human Periodontal-Ligament Stem Cells Increase VEGF/VEGFR2 Expression During Bone Regeneration. <i>Frontiers in Physiology</i> , 2019, 10, 512.	1.3	98
8	The secretome of periodontal ligament stem cells from MS patients protects against EAE. <i>Scientific Reports</i> , 2016, 6, 38743.	1.6	97
9	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.	1.8	90
10	Human Periodontal Stem Cells Release Specialized Proresolving Mediators and Carry Immunomodulatory and Prohealing Properties Regulated by Lipoxins. <i>Stem Cells Translational Medicine</i> , 2016, 5, 20-32.	1.6	82
11	Expression profile of the embryonic markers nanog, OCT4, SSEA1, SSEA4, and frizzled9 receptor in human periodontal ligament mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2010, 225, 123-131.	2.0	77
12	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.	3.3	77
13	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.	1.3	76
14	MyD88/ERK/NFkB 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.	0.6	75
15	Biotherapeutic Effect of Gingival Stem Cells Conditioned Medium in Bone Tissue Restoration. <i>International Journal of Molecular Sciences</i> , 2018, 19, 329.	1.8	74
16	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.	1.8	74
17	Cannabidiol Modulates the Expression of Alzheimer's Disease-Related Genes in Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 26.	1.8	72
18	Proteome of Human Stem Cells from Periodontal Ligament and Dental Pulp. <i>PLoS ONE</i> , 2013, 8, e71101.	1.1	71

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19	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.	0.2	68
20	Melatonin provokes cell death in human B-lymphoma cells by mitochondrial-dependent apoptotic pathway activation. <i>Journal of Pineal Research</i> , 2005, 39, 425-431.	3.4	66
21	Biofunctionalized Scaffold in Bone Tissue Repair. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1022.	1.8	65
22	Cannabidiol Modulates the Immunophenotype and Inhibits the Activation of the Inflammasome in Human Gingival Mesenchymal Stem Cells. <i>Frontiers in Physiology</i> , 2016, 7, 559.	1.3	59
23	Stemness Maintenance Properties in Human Oral Stem Cells after Long-Term Passage. <i>Stem Cells International</i> , 2017, 2017, 1-14.	1.2	58
24	Conditioned medium of periodontal ligament mesenchymal stem cells exert anti-inflammatory effects in lipopolysaccharide-activated mouse motoneurons. <i>Experimental Cell Research</i> , 2016, 349, 152-161.	1.2	55
25	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.	1.0	55
26	Stem Cells Therapy for Spinal Cord Injury: An Overview of Clinical Trials. <i>International Journal of Molecular Sciences</i> , 2020, 21, 659.	1.8	55
27	Oral Bone Tissue Regeneration: Mesenchymal Stem Cells, Secretome, and Biomaterials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5236.	1.8	55
28	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.	1.0	54
29	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.	1.8	51
30	Extracellular Vesicles Derived from Human Gingival Mesenchymal Stem Cells: A Transcriptomic Analysis. <i>Genes</i> , 2020, 11, 118.	1.0	49
31	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.	1.4	47
32	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.	2.1	47
33	Functional interleukin-7, interleukin-17, and SDF-1/CXCR4 are expressed by human periodontal ligament derived mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2008, 214, 706-713.	2.0	46
34	<i>Porphyromonas gingivalis</i> lipopolysaccharide stimulation in human periodontal ligament stem cells: role of epigenetic modifications to the inflammation. <i>European Journal of Histochemistry</i> , 2017, 61, 2826.	0.6	46
35	5-Aza Exposure Improves Reprogramming Process Through Embryoid Body Formation in Human Gingival Stem Cells. <i>Frontiers in Genetics</i> , 2018, 9, 419.	1.1	46
36	Evaluation of the Proliferative Effects Induced by Low-Level Laser Therapy in Bone Marrow Stem Cell Culture. <i>Photomedicine and Laser Surgery</i> , 2015, 33, 610-616.	2.1	44

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37	Nitric oxide production during the osteogenic differentiation of human periodontal ligament mesenchymal stem cells. <i>Acta Histochemica</i> , 2009, 111, 15-24.	0.9	43
38	Assessment of an Efficient Xeno-Free Culture System of Human Periodontal Ligament Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 52-64.	1.1	43
39	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.	1.2	43
40	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.	2.0	43
41	Nuclear translocation of PKC $\zeta$ isoenzyme is involved in neurogenic commitment of human neural crest-derived periodontal ligament stem cells. <i>Cellular Signalling</i> , 2016, 28, 1631-1641.	1.7	40
42	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.	1.0	36
43	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.	1.3	36
44	Dimethyl sulfoxide induces programmed cell death and reversible G1 arrest in the cell cycle of human lymphoid pre-T cell line. <i>Immunology Letters</i> , 1996, 50, 51-57.	1.1	35
45	Diameters and Fluorescence Calibration for Extracellular Vesicle Analyses by Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7885.	1.8	35
46	Effect of short peptides on neuronal differentiation of stem cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2019, 33, 205873841982861.	1.0	33
47	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.	1.9	32
48	Cannabinoid CB2 receptors are involved in the protection of RAW264.7 macrophages against the oxidative stress: an in vitro study. <i>European Journal of Histochemistry</i> , 2017, 61, 2749.	0.6	31
49	Interferon- $\beta$ (IFN- $\beta$ ) Induces Programmed Cell Death in Differentiated Human Leukemic B Cell Lines. <i>Experimental Cell Research</i> , 1994, 215, 23-27.	1.2	29
50	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.	1.8	29
51	Moringin Induces Neural Differentiation in the Stem Cell of the Human Periodontal Ligament. <i>Scientific Reports</i> , 2018, 8, 9153.	1.6	27
52	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.	1.8	27
53	Short ELF-EMF Exposure Targets SIRT1/Nrf2/HO-1 Signaling in THP-1 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7284.	1.8	25
54	VEGF/VEGF-R/RUNX2 Upregulation in Human Periodontal Ligament Stem Cells Seeded on Dual Acid Etched Titanium Disk. <i>Materials</i> , 2020, 13, 706.	1.3	25

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55	Salivary Biomarkers: Future Approaches for Early Diagnosis of Neurodegenerative Diseases. <i>Brain Sciences</i> , 2020, 10, 245.	1.1	25
56	Cannabidiol Activates Neuronal Precursor Genes in Human Gingival Mesenchymal Stromal Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1531-1546.	1.2	22
57	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.	1.7	20
58	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.	1.8	19
59	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.	1.2	19
60	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.	1.8	18
61	Short Peptides Protect Oral Stem Cells from Ageing. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 159-166.	1.7	17
62	Immunomodulating Profile of Dental Mesenchymal Stromal Cells: A Comprehensive Overview. <i>Frontiers in Oral Health</i> , 2021, 2, 635055.	1.2	17
63	Antioxidant Ascorbic Acid Modulates NLRP3 Inflammasome in LPS-G Treated Oral Stem Cells through NF- $\kappa$ B/Caspase-1/IL-1 $\beta$ Pathway. <i>Antioxidants</i> , 2021, 10, 797.	2.2	17
64	Lithium disilicate and zirconia reinforced lithium silicate glass-ceramics for CAD/CAM dental restorations: biocompatibility, mechanical and microstructural properties after crystallization. <i>Journal of Dentistry</i> , 2022, 119, 104054.	1.7	17
65	Nuclear matrix provides linkage sites for translocated NF- $\kappa$ B: morphological evidence. <i>Histochemistry and Cell Biology</i> , 2000, 113, 369-377.	0.8	16
66	Expression of P2X7 ATP Receptor Mediating the IL8 and CCL20 Release in Human Periodontal Ligament Stem Cells. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1138-1146.	1.2	16
67	3D Human Periodontal Stem Cells and Endothelial Cells Promote Bone Development in Bovine Pericardium-Based Tissue Biomaterial. <i>Materials</i> , 2019, 12, 2157.	1.3	16
68	Extracellular Vesicles of Human Periodontal Ligament Stem Cells Contain MicroRNAs Associated to Proto-Oncogenes: Implications in Cytokinesis. <i>Frontiers in Genetics</i> , 2020, 11, 582.	1.1	16
69	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.	1.8	16
70	Human Periodontal Ligament Stem Cells Response to Titanium Implant Surface: Extracellular Matrix Deposition. <i>Biology</i> , 2021, 10, 931.	1.3	16
71	Enhanced Extracellular Matrix Deposition on Titanium Implant Surfaces: Cellular and Molecular Evidences. <i>Biomedicines</i> , 2021, 9, 1710.	1.4	16
72	A Narrative Review: Gingival Stem Cells as a Limitless Reservoir for Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4135.	1.8	15

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73	The Role of Hypoxia on the Neuronal Differentiation of Gingival Mesenchymal Stem Cells: A Transcriptional Study. <i>Cell Transplantation</i> , 2019, 28, 538-552.	1.2	14
74	AEDG Peptide (Epitalon) Stimulates Gene Expression and Protein Synthesis during Neurogenesis: Possible Epigenetic Mechanism. <i>Molecules</i> , 2020, 25, 609.	1.7	14
75	Transforming Growth Factor-Beta1 and Human Gingival Fibroblast-to-Myofibroblast Differentiation: Molecular and Morphological Modifications. <i>Frontiers in Physiology</i> , 2021, 12, 676512.	1.3	14
76	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.	1.2	14
77	Bovine pericardium membrane, gingival stem cells, and ascorbic acid: a novel team in regenerative medicine. <i>European Journal of Histochemistry</i> , 2019, 63, .	0.6	13
78	HEMA Effects on Autophagy Mechanism in Human Dental Pulp Stem Cells. <i>Materials</i> , 2019, 12, 2285.	1.3	11
79	Decellularized Dental Pulp, Extracellular Vesicles, and 5-Azacytidine: A New Tool for Endodontic Regeneration. <i>Biomedicines</i> , 2022, 10, 403.	1.4	11
80	Prolonged Expansion Induces Spontaneous Neural Progenitor Differentiation from Human Gingiva-Derived Mesenchymal Stem Cells. <i>Cellular Reprogramming</i> , 2017, 19, 389-401.	0.5	10
81	Nuclear Translocation of $\beta$ II PKC Isoenzyme in Phorbol Ester-Stimulated KM-3 Pre-B Human Leukemic Cells.. <i>Experimental Cell Research</i> , 1995, 221, 172-178.	1.2	9
82	Thymic sensitivity to hypoxic condition in young and old rats. Age-dependent expression of NF- $\kappa$ B. <i>Experimental Gerontology</i> , 2002, 37, 1077-1088.	1.2	9
83	Transcriptomic analysis revealed increased expression of genes involved in keratinization in the tears of COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 19817.	1.6	9
84	Insights into nuclear localization and dynamic association of CD38 in Raji and K562 cells. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 1294-1308.	1.2	8
85	Xeno-Free Culture of Human Periodontal Ligament Stem Cells. <i>Methods in Molecular Biology</i> , 2014, 1283, 87-92.	0.4	7
86	Immobilization and delivery of biologically active Lipoxin A 4 using electrospinning technology. <i>International Journal of Pharmaceutics</i> , 2016, 515, 254-261.	2.6	7
87	Three-Dimensional Culture Systems for Dissecting Notch Signalling in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12473.	1.8	7
88	Novel Translational Read-through Inducing Drugs as a Therapeutic Option for Shwachman-Diamond Syndrome. <i>Biomedicines</i> , 2022, 10, 886.	1.4	7
89	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.	0.8	5
90	NF- $\kappa$ B and NOS may play a role in human RPMI-8402 cell apoptosis. <i>Cell Biology International</i> , 2005, 29, 529-536.	1.4	4

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91	Physiological Expression of Ion Channel Receptors in Human Periodontal Ligament Stem Cells. <i>Cells</i> , 2019, 8, 219.	1.8	4
92	MRAP2 regulates endometrial receptivity and function. <i>Gene</i> , 2019, 703, 7-12.	1.0	4
93	Phorbol ester-induced effects on cell cycle progression and terminal deoxynucleotidyltransferase (TdT) activity in KM-3 pre-B cell line. <i>Immunology Letters</i> , 1993, 35, 265-269.	1.1	3
94	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.	1.8	3
95	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.	1.3	3
96	Water-Airborne-Particle Abrasion as a Pre-Treatment to Improve Bioadhesion and Bond Strength of Glass-Ceramic Restorations: From In Vitro Study to 15-Year Survival Rate. <i>Materials</i> , 2021, 14, 4966.	1.3	3
97	MicroRNA Profiling of HL-1 Cardiac Cells-Derived Extracellular Vesicles. <i>Cells</i> , 2021, 10, 273.	1.8	3
98	Laser Photobiomodulation Over Teeth Subjected to Orthodontic Movement. <i>Photomedicine and Laser Surgery</i> , 2018, 36, 647-652.	2.1	2
99	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.	1.4	1
100	Exosomes as Carriers for Notch Molecules. <i>Methods in Molecular Biology</i> , 2022, , 197-208.	0.4	1
101	Improved osteogenic differentiation by extremely low electromagnetic field exposure: possible application for bone engineering. <i>Histochemistry and Cell Biology</i> , 0, , .	0.8	1