

Gianpaolo Papaccio

List of Publications by Year in descending order

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109
papers

7,081
citations

53794

45
h-index

64796

79
g-index

114
all docs

114
docs citations

114
times ranked

8585
citing authors

#	ARTICLE	IF	CITATIONS
1	Human postnatal dental pulp cells co-differentiate into osteoblasts and endotheliocytes: a pivotal synergy leading to adult bone tissue formation. <i>Cell Death and Differentiation</i> , 2007, 14, 1162-1171.	11.2	448
2	Human mandible bone defect repair by the grafting of dental pulp stem/progenitor cells and collagen sponge biocomplexes. , 2009, 18, 75-83.		387
3	A New Population of Human Adult Dental Pulp Stem Cells: A Useful Source of Living Autologous Fibrous Bone Tissue (LAB). <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1394-1402.	2.8	385
4	Cancer stem cells in solid tumors: an overview and new approaches for their isolation and characterization. <i>FASEB Journal</i> , 2013, 27, 13-24.	0.5	338
5	Dental Pulp Stem Cells: A Promising Tool for Bone Regeneration. <i>Stem Cell Reviews and Reports</i> , 2008, 4, 21-26.	5.6	272
6	Detection and Characterization of CD133+ Cancer Stem Cells in Human Solid Tumours. <i>PLoS ONE</i> , 2008, 3, e3469.	2.5	246
7	Concise Review: Cancer Cells, Cancer Stem Cells, and Mesenchymal Stem Cells: Influence in Cancer Development. <i>Stem Cells Translational Medicine</i> , 2017, 6, 2115-2125.	3.3	232
8	Long-term cryopreservation of dental pulp stem cells (SBPâ€PSCs) and their differentiated osteoblasts: A cell source for tissue repair. <i>Journal of Cellular Physiology</i> , 2006, 208, 319-325.	4.1	231
9	An approachable human adult stem cell source for hardâ€tissue engineering. <i>Journal of Cellular Physiology</i> , 2006, 206, 693-701.	4.1	218
10	Human primary bone sarcomas contain CD133⁺cancer stem cells displaying high tumorigenicity<i> in vivo</i>. <i>FASEB Journal</i> , 2011, 25, 2022-2030.	0.5	190
11	Dental pulp stem cells: State of the art and suggestions for a true translation of research into therapy. <i>Journal of Dentistry</i> , 2014, 42, 761-768.	4.1	155
12	Three Years After Transplants in Human Mandibles, Histological and In-Line Holotomography Revealed That Stem Cells Regenerated a Compact Rather Than a Spongy Bone: Biological and Clinical Implications. <i>Stem Cells Translational Medicine</i> , 2013, 2, 316-324.	3.3	149
13	Human CD34+/CD90+ ASCs Are Capable of Growing as Sphere Clusters, Producing High Levels of VEGF and Forming Capillaries. <i>PLoS ONE</i> , 2009, 4, e6537.	2.5	144
14	A new inhibitor of glucose-6-phosphate dehydrogenase blocks pentose phosphate pathway and suppresses malignant proliferation and metastasis in vivo. <i>Cell Death and Disease</i> , 2018, 9, 572.	6.3	138
15	Scaffold's surface geometry significantly affects human stem cell bone tissue engineering. <i>Journal of Cellular Physiology</i> , 2008, 214, 166-172.	4.1	134
16	Human CD34⁺ stem cells produce bone nodules <i> in vivo</i>. <i>Cell Proliferation</i> , 2008, 41, 1-11.	5.3	133
17	The osteoblastic differentiation of dental pulp stem cells and bone formation on different titanium surface textures. <i>Biomaterials</i> , 2010, 31, 3543-3551.	11.4	128
18	Human dental pulp stem cells: from biology to clinical applications. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 408-415.	1.3	117

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19	Histone Deacetylase Inhibition with Valproic Acid Downregulates Osteocalcin Gene Expression in Human Dental Pulp Stem Cells and Osteoblasts: Evidence for HDAC2 Involvement. <i>Stem Cells</i> , 2014, 32, 279-289.	3.2	116
20	Dental Pulp Stem Cells, Niches, and Notch Signaling in Tooth Injury. <i>Advances in Dental Research</i> , 2011, 23, 275-279.	3.6	103
21	In Vitro Bone Production Using Stem Cells Derived From Human Dental Pulp. <i>Journal of Craniofacial Surgery</i> , 2006, 17, 511-515.	0.7	102
22	Explantâ€ derived human dental pulp stem cells enhance differentiation and proliferation potentials. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 1635-1644.	3.6	99
23	Piezoelectric device vs. conventional rotative instruments in impacted third molar surgery: Relationships between surgical difficulty and postoperative pain with histological evaluations. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2013, 41, e33-e38.	1.7	97
24	The role of autophagy in resistance to targeted therapies. <i>Cancer Treatment Reviews</i> , 2020, 88, 102043.	7.7	89
25	A New Method for Cryopreserving Adipose-Derived Stem Cells: An Attractive and Suitable Large-Scale and Long-Term Cell Banking Technology. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 659-667.	2.1	84
26	In vitro analysis of the effects on wound healing of high- and low-molecular weight chains of hyaluronan and their hybrid H-HA/L-HA complexes. <i>BMC Cell Biology</i> , 2015, 16, 19.	3.0	83
27	Macrophage migration inhibitory factor (MIF) is necessary for progression of autoimmune diabetes mellitus. <i>Journal of Cellular Physiology</i> , 2008, 215, 665-675.	4.1	76
28	Does poor glycaemic control affect the immunogenicity of the <sc>COVIDâ€19</sc> vaccination in patients with type <sc>2</sc> diabetes: The <sc>CAVEAT</sc> study. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 160-165.	4.4	75
29	Concave Pit-Containing Scaffold Surfaces Improve Stem Cell-Derived Osteoblast Performance and Lead to Significant Bone Tissue Formation. <i>PLoS ONE</i> , 2007, 2, e496.	2.5	74
30	Methods for the Identification, Characterization and Banking of Human DPSCs: Current Strategies and Perspectives. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 608-615.	5.6	74
31	Human DPSCs fabricate vascularized woven bone tissue: a new tool in bone tissue engineering. <i>Clinical Science</i> , 2017, 131, 699-713.	4.3	73
32	Increased fucosylation has a pivotal role in invasive and metastatic properties of head and neck cancer stem cells. <i>Oncotarget</i> , 2015, 6, 71-84.	1.8	66
33	Identification, Isolation, Characterization, and Banking of Human Dental Pulp Stem Cells. <i>Methods in Molecular Biology</i> , 2012, 879, 443-463.	0.9	64
34	Large-Scale Production of Human Adipose Tissue from Stem Cells: A New Tool for Regenerative Medicine and Tissue Banking. <i>Tissue Engineering - Part C: Methods</i> , 2008, 14, 233-242.	2.1	61
35	Human adipose stem cell differentiation is highly affected by cancer cells both in vitro and in vivo: implication for autologous fat grafting. <i>Cell Death and Disease</i> , 2018, 8, e2568-e2568.	6.3	60
36	Glucose-6-phosphate dehydrogenase blockade potentiates tyrosine kinase inhibitor effect on breast cancer cells through autophagy perturbation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 160.	8.6	59

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37	EPHA2 Is a Predictive Biomarker of Resistance and a Potential Therapeutic Target for Improving Antiepidermal Growth Factor Receptor Therapy in Colorectal Cancer. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 845-855.	4.1	58
38	Human Ng2 ⁺ adipose stem cells loaded in vivo on a new crosslinked hyaluronic acid α lys scaffold fabricate a skeletal muscle tissue. <i>Journal of Cellular Physiology</i> , 2013, 228, 1762-1773.	4.1	57
39	MicroRNA α 33 and SIRT1 influence the coronary thrombus burden in hyperglycemic STEMI patients. <i>Journal of Cellular Physiology</i> , 2020, 235, 1438-1452.	4.1	57
40	Methods for Cancer Stem Cell Detection and Isolation. <i>Methods in Molecular Biology</i> , 2012, 879, 513-529.	0.9	56
41	Multiple low-dose and single high-dose treatments with streptozotocin do not generate nitric oxide. , 2000, 77, 82-91.		55
42	Prevention of Spontaneous Autoimmune Diabetes in NOD Mice by Transferring In Vitro Antigen-Pulsed Syngeneic Dendritic Cells. <i>Endocrinology</i> , 2000, 141, 1500-1505.	2.8	53
43	Hybrid Complexes of High and Low Molecular Weight Hyaluronans Highly Enhance HASCs Differentiation: Implication for Facial Bioremodelling. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 1078-1092.	1.6	52
44	Human neural crest-derived postnatal cells exhibit remarkable embryonic attributes either in vitro or in vivo. , 2011, 21, 304-316.		52
45	Human Dental Pulp Stem Cells Hook into Biocoral Scaffold Forming an Engineered Biocomplex. <i>PLoS ONE</i> , 2011, 6, e18721.	2.5	51
46	Biotechnological Chondroitin a Novel Glycosaminoglycan With Remarkable Biological Function on Human Primary Chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2158-2169.	2.6	50
47	HDAC2 depletion promotes osteosarcoma α 's stemness both in vitro and in vivo: a study on a putative new target for CSCs directed therapy. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 296.	8.6	49
48	Comparison Between Genetic Portraits of Osteoblasts Derived From Primary Cultures and Osteoblasts Obtained From Human Pulp Stem Cells. <i>Journal of Craniofacial Surgery</i> , 2008, 19, 616-625.	0.7	42
49	Surface biocompatibility of differently textured titanium implants with mesenchymal stem cells. <i>Dental Materials</i> , 2015, 31, 235-243.	3.5	41
50	A biphasic role of nuclear transcription factor (NF) α B in the islet β -cell apoptosis induced by interleukin (IL) α 1 β . <i>Journal of Cellular Physiology</i> , 2005, 204, 124-130.	4.1	39
51	Essential pathogenic role of endogenous IL-18 in murine diabetes induced by multiple low doses of streptozotocin. Prevention of hyperglycemia and insulinitis by a recombinant IL-18-binding protein: Fc construct. <i>European Journal of Immunology</i> , 2003, 33, 2278-2286.	2.9	37
52	Cytoplasmic Interactions between the Glucocorticoid Receptor and HDAC2 Regulate Osteocalcin Expression in VPA-Treated MSCs. <i>Cells</i> , 2019, 8, 217.	4.1	30
53	Changing Paradigms in Cranio-Facial Regeneration: Current and New Strategies for the Activation of Endogenous Stem Cells. <i>Frontiers in Physiology</i> , 2016, 7, 62.	2.8	28
54	Further Morphological and Biochemical Observations on Early Low Dose Streptozotocin Diabetes in Mice. <i>Pancreas</i> , 1991, 6, 659-667.	1.1	27

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55	Amniotic Fluid-Derived Mesenchymal Stem Cells Lead to Bone Differentiation when Cocultured with Dental Pulp Stem Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 645-653.	3.1	25
56	Liposome armed with herpes virus-derived gH625 peptide to overcome doxorubicin resistance in lung adenocarcinoma cell lines. <i>Oncotarget</i> , 2016, 7, 4077-4092.	1.8	25
57	<i>In vitro</i> osteoblastic differentiation of human mesenchymal stem cells and human dental pulp stem cells on polylysine-treated titanium-aluminum-vanadium. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 118-126.		24
58	Morphological Aspects of Glucagon and Somatostatin Islet Cells in Diabetic Bio Breeding and Low-Dose Streptozocin-Treated Wistar Rats. <i>Pancreas</i> , 1989, 4, 289-294.	1.1	23
59	Bone defects: Molecular and cellular therapeutic targets. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 51, 75-78.	2.8	23
60	Prevention of Spontaneous Autoimmune Diabetes in NOD Mice by Transferring in Vitro Antigen-Pulsed Syngeneic Dendritic Cells. <i>Endocrinology</i> , 2000, 141, 1500-1505.	2.8	23
61	Superoxide dismutase activity in the BB rat: A dynamic time-course study. <i>Life Sciences</i> , 1988, 43, 1625-1632.	4.3	22
62	Hyaluronan-Based Gel Promotes Human Dental Pulp Stem Cells Bone Differentiation by Activating YAP/TAZ Pathway. <i>Cells</i> , 2021, 10, 2899.	4.1	20
63	Th1 and Th2 cytokines exert regulatory effects upon islet microvascular areas in the NOD mouse. <i>Journal of Cellular Biochemistry</i> , 2002, 86, 651-664.	2.6	19
64	Islet β -Cell Apoptosis Triggered in Vivo by Interleukin-1 β Is Not Related to the Inducible Nitric Oxide Synthase Pathway: Evidence for Mitochondrial Function Impairment and Lipoperoxidation. <i>Endocrinology</i> , 2003, 144, 4264-4271.	2.8	19
65	Interleukin (IL)-1 β toxicity to islet β cells: Efaroxan exerts a complete protection. <i>Journal of Cellular Physiology</i> , 2005, 203, 94-102.	4.1	19
66	Administration of a nitric oxide synthase inhibitor does not suppress low-dose streptozotocin-induced diabetes in mice. <i>International Journal of Gastrointestinal Cancer</i> , 1995, 17, 63-68.	0.4	18
67	Adhesion Molecules and Microvascular Changes in the Nonobese Diabetic (NOD) Mouse Pancreas. An NO-Inhibitor (L-Name) is Unable to Block Adhesion Inflammation-Induced Activation. <i>Autoimmunity</i> , 1998, 27, 65-77.	2.6	16
68	Ultrastructural observations on cytotoxic effector cells infiltrating pancreatic islets of low-dose streptozocin treated mice. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1992, 420, 5-10.	1.4	15
69	Distribution of the amelogenin protein in developing, injured and carious human teeth. <i>Frontiers in Physiology</i> , 2014, 5, 477.	2.8	15
70	Extraislet Infiltration in NOD Mouse Pancreas. <i>Pancreas</i> , 1993, 8, 459-464.	1.1	14
71	An Imidazoline Compound Completely Counteracts Interleukin-1 β toxic Effects to Rat Pancreatic Islet β Cells. <i>Molecular Medicine</i> , 2002, 8, 536-545.	4.4	14
72	β 2-AR blockade potentiates MEK1/2 inhibitor effect on HNSCC by regulating the Nrf2-mediated defense mechanism. <i>Cell Death and Disease</i> , 2020, 11, 850.	6.3	14

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73	In vitro Evaluation of Stialyl Lewis X Relationship with Head and Neck Cancer Stem Cells. Otolaryngology - Head and Neck Surgery, 2013, 149, 97-104.	1.9	13
74	Vulnerability to low-dose combination of irinotecan and niraparib in ATM-mutated colorectal cancer. Journal of Experimental and Clinical Cancer Research, 2021, 40, 15.	8.6	13
75	Tissue Regeneration in Dentistry. International Journal of Dentistry, 2012, 2012, 1-1.	1.5	12
76	Prevention of low dose streptozotocin-induced diabetes by acetyl-homocysteine-thiolactone. Diabetes Research and Clinical Practice, 1991, 13, 95-102.	2.8	11
77	Superoxide dismutase in the nonobese diabetic (NOD) mouse: A dynamic time-course study. Life Sciences, 1995, 56, 2223-2228.	4.3	11
78	Macrophages and antioxidant status in the NOD mouse pancreas. Journal of Cellular Biochemistry, 1998, 71, 479-490.	2.6	11
79	Effects of a vitamin D3 analog on diabetes in the bio breeding (BB) rat. Journal of Cellular Biochemistry, 2007, 100, 808-814.	2.6	11
80	A unifying working hypothesis for juvenile polyposis syndrome and MÃ©nÃ©trier's disease: Specific localization or concomitant occurrence of a separate entity?. Digestive and Liver Disease, 2012, 44, 952-956.	0.9	9
81	The Harderian gland in autoimmune diabetes of the nonobese diabetic mouse. Microscopy Research and Technique, 1996, 34, 156-165.	2.2	8
82	Sodium Fusidate Ameliorates the Course of Diabetes Induced in Mice by Multiple Low Doses of Streptozotocin. Journal of Autoimmunity, 2000, 15, 395-405.	6.5	8
83	Sodium fusidate (fusidin) ameliorates the course of monophasic experimental allergic encephalomyelitis in the Lewis rat. Multiple Sclerosis Journal, 2001, 7, 101-104.	3.0	8
84	MnSOD mimic compounds can counteract mechanical stress and islet Î² cell apoptosis, although at appropriate concentration ranges. Journal of Cellular Physiology, 2007, 212, 432-438.	4.1	8
85	Cyclosporin Administration during Pregnancy Induces Ultrastructural Changes on Pancreatic Beta-Cells of Newborn Rats. Cells Tissues Organs, 1990, 137, 336-341.	2.3	7
86	Gelatin-biofermentative unsulfated glycosaminoglycans semi-interpenetrating hydrogels via microbial-transglutaminase crosslinking enhance osteogenic potential of dental pulp stem cells. International Journal of Energy Production and Management, 2021, 8, rbaa052.	3.7	6
87	An imidazoline compound completely counteracts interleukin-1[beta] toxic effects to rat pancreatic islet [beta] cells. Molecular Medicine, 2002, 8, 536-45.	4.4	6
88	Superoxide dismutase in low-dose-streptozocin-treated mice. International Journal of Gastrointestinal Cancer, 1991, 10, 253-60.	0.4	5
89	The immunosuppressant FK506 inhibits the damage to mouse pancreatic islets induced by low dose streptozocin. Cell and Tissue Research, 1994, 277, 573-578.	2.9	5
90	Tacrolimus, but not Cyclosporine A, significantly increases expression of ICAM-1 and IFN-Î³ in the NOD mouse. Journal of Cellular Biochemistry, 2001, 81, 107-116.	2.6	5

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91	Cytokine regulatory effects on $\hat{I}\pm$ -1 proteinase inhibitor expression in NOD mouse islet endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 123-130.	2.6	5
92	Curative effects of sodium fusidate on the development of dinitrobenzenesulfonic acid-induced colitis in rats. <i>Clinical Immunology</i> , 2003, 109, 266-271.	3.2	5
93	The vitamin-E derivative U-83836-E in the low-dose streptozocin-treated mouse: effects on diabetes development. <i>Diabetes Research and Clinical Practice</i> , 1995, 30, 163-171.	2.8	4
94	Detection of dendritic cells in the non-obese diabetic (NOD) mouse islet pancreas infiltrate is correlated with Th2-cytokine production. <i>Journal of Cellular Biochemistry</i> , 1999, 74, 447-457.	2.6	4
95	Gangliosides prevent insulinitis but not islet B cell destruction in low-dose streptozocin-treated mice. <i>Diabetes Research and Clinical Practice</i> , 1993, 19, 9-15.	2.8	3
96	An early but intense cytokine production within the islets may be predictive for type 1 diabetes occurrence in the Bio Breeding (BB) rat. <i>Journal of Cellular Physiology</i> , 2006, 209, 1016-1020.	4.1	3
97	Cytokine regulatory effects on alpha-1 proteinase inhibitor expression in NOD mouse islet endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 123-30.	2.6	3
98	Hyperglycemic effects of hydrochlorothiazide and propranolol. A biochemical and ultrastructural study. <i>Acta Diabetologica Latina</i> , 1987, 24, 325-330.	0.2	2
99	Recovery of pancreatic B cells after Cyclosporin A treatment in bio breeding and Wistar rats. <i>Micron and Microscopica Acta</i> , 1989, 20, 89-97.	0.2	2
100	Effects of butylated hydroxytoluene (BHT) enriched diet on serum antioxidant activity in pre- and overtly diabetic NOD mice. <i>Life Sciences</i> , 1998, 63, 1457-1460.	4.3	2
101	A New, Most Likely Unusual Approach is Crucial and Upcoming for the Use of Stem Cells in Regenerative Medicine. <i>Frontiers in Physiology</i> , 2012, 2, 119.	2.8	2
102	Dialysis of hemolysates in glycosylated hemoglobin assay. <i>Acta Diabetologica Latina</i> , 1982, 19, 393-394.	0.2	1
103	Diabetes incidence and histopathological lesions in animal models. <i>Diabetes Research and Clinical Practice</i> , 1992, 18, 137.	2.8	1
104	Inhibition of Nitric Oxide Formation and Prevention of Type 1 Diabetes. <i>Autoimmunity</i> , 1995, 20, 69-69.	2.6	1
105	Stemness markers of osteosarcoma. , 2015, , 205-211.		1
106	Comparative Study of NGS Platform Ion Torrent Personal Genome Machine and Therascreen Rotor-Gene Q for the Detection of Somatic Variants in Cancer. <i>High-Throughput</i> , 2020, 9, 4.	4.4	1
107	Nephrotoxicity of cyclosporin A in diabetic breeding rats breeding rats. <i>Micron and Microscopica Acta</i> , 1988, 19, 227-234.	0.2	0
108	The vasoactive intestinal peptide (VIP) expression in the folliculum-derived neural crest stem cells (FENCs). <i>Frontiers in Neuroendocrinology</i> , 2006, 27, 100-101.	5.2	0

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109	Large-Scale Production of Human Adipose Tissue from Stem Cells: A New Tool for Regenerative Medicine and Tissue Banking. Tissue Engineering - Part A, 0, , 110306231138043.	3.1	0