

# Paulo T De Oliveira

## List of Publications by Year in descending order

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106  
papers

3,291  
citations

185998

28  
h-index

168136

53  
g-index

109  
all docs

109  
docs citations

109  
times ranked

4394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotexturing of titanium-based surfaces upregulates expression of bone sialoprotein and osteopontin by cultured osteogenic cells. <i>Biomaterials</i> , 2004, 25, 403-413.	5.7	291
2	Nanoscale surface modifications of medically relevant metals: state-of-the art and perspectives. <i>Nanoscale</i> , 2011, 3, 335-353.	2.8	231
3	Enhancement of in vitro osteogenesis on titanium by chemically produced nanotopography. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 554-564.	2.1	184
4	Bacterial cellulose-collagen nanocomposite for bone tissue engineering. <i>Journal of Materials Chemistry</i> , 2012, 22, 22102.	6.7	159
5	Nanoscale Oxidative Patterning of Metallic Surfaces to Modulate Cell Activity and Fate. <i>Nano Letters</i> , 2009, 9, 659-665.	4.5	134
6	Brl: A Novel Bone-Specific Modulator of Mineralization. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1497-1508.	3.1	128
7	In vitro osteogenesis on a highly bioactive glass-ceramic (Biosilicate <sup>®</sup> ). <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 545-557.	2.1	124
8	Pore size regulates cell and tissue interactions with PLGA-CaP scaffolds used for bone engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 155-162.	1.3	115
9	Characterization and in vitro evaluation of bacterial cellulose membranes functionalized with osteogenic growth peptide for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2253-2266.	1.7	72
10	Nanotopography Drives Stem Cell Fate Toward Osteoblast Differentiation Through $\beta_1$ Integrin Signaling Pathway. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 540-548.	1.2	65
11	Nanocellulose-collagen-apatite composite associated with osteogenic growth peptide for bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 467-476.	3.6	64
12	Histomorphometric analysis of the bone-implant contact obtained with 4 different implant surface treatments placed side by side in the dog mandible. <i>International Journal of Oral and Maxillofacial Implants</i> , 2002, 17, 377-83.	0.6	64
13	Effects of type I collagen coating on titanium osseointegration: histomorphometric, cellular and molecular analyses. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 035007.	1.7	63
14	Treatment of a commercial, machined surface titanium implant with H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> enhances contact osteogenesis. <i>Clinical Oral Implants Research</i> , 2007, 18, 452-458.	1.9	62
15	In vitro biocompatibility of a novel membrane of the composite poly(vinylidene-trifluoroethylene)/barium titanate. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 282-288.	2.1	60
16	Nanotopography Directs Mesenchymal Stem Cells to Osteoblast Lineage Through Regulation of microRNA-SMAD-BMP-2 Circuit. <i>Journal of Cellular Physiology</i> , 2014, 229, 1690-1696.	2.0	58
17	Verruciform xanthoma of the oral mucosa. Report of four cases and a review of the literature. <i>Oral Oncology</i> , 2001, 37, 326-331.	0.8	57
18	Human alveolar bone cell proliferation, expression of osteoblastic phenotype, and matrix mineralization on porous titanium produced by powder metallurgy. <i>Clinical Oral Implants Research</i> , 2009, 20, 472-481.	1.9	55

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19	Early Expression of Bone Matrix Proteins in Osteogenic Cell Cultures. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 633-641.	1.3	51
20	Efficacy of a bioactive glass ceramic (Biosilicate) in the maintenance of alveolar ridges and in osseointegration of titanium implants. <i>Clinical Oral Implants Research</i> , 2010, 21, 148-155.	1.9	45
21	Effects of low-level laser therapy on human osteoblastic cells grown on titanium. <i>Brazilian Dental Journal</i> , 2010, 21, 491-498.	0.5	45
22	Titanium With Nanotopography Induces Osteoblast Differentiation by Regulating Endogenous Bone Morphogenetic Protein Expression and Signaling Pathway. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1718-1726.	1.2	43
23	In vitro osteogenesis on a microstructured titanium surface with additional submicron-scale topography. <i>Clinical Oral Implants Research</i> , 2007, 18, 333-344.	1.9	38
24	The influence of pore size on osteoblast phenotype expression in cultures grown on porous titanium. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2012, 41, 1097-1101.	0.7	38
25	Osseointegration and osseoconductivity of hydroxyapatite of different microporosities. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 1071-1075.	1.7	34
26	Macroporous scaffolds associated with cells to construct a hybrid biomaterial for bone tissue engineering. <i>Expert Review of Medical Devices</i> , 2008, 5, 719-728.	1.4	34
27	Effects of a novel calcium aluminate cement on the early events of the progression of osteogenic cell cultures. <i>Brazilian Dental Journal</i> , 2011, 22, 99-104.	0.5	33
28	Evaluation of in vitro human gingival fibroblast seeding on acellular dermal matrix. <i>Brazilian Dental Journal</i> , 2010, 21, 179-189.	0.5	30
29	Glandular odontogenic cyst. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1997, 83, 478-483.	1.6	29
30	Culture of osteogenic cells from human alveolar bone: A useful source of alkaline phosphatase. <i>Cell Biology International</i> , 2007, 31, 1405-1413.	1.4	28
31	Comparative Study of Enamel Matrix Derivative with or without GTR in the Treatment of Class II Furcation Lesions in Dogs. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2004, 24, 476-487.	0.4	26
32	In vitro biocompatibility of poly(vinylidene fluoride-trifluoroethylene)/barium titanate composite using cultures of human periodontal ligament fibroblasts and keratinocytes. <i>Acta Biomaterialia</i> , 2010, 6, 979-989.	4.1	26
33	Oxidative nanopatterning of titanium surfaces promotes production and extracellular accumulation of osteopontin. <i>Brazilian Dental Journal</i> , 2011, 22, 179-184.	0.5	26
34	Effects of the Association between a Calcium Hydroxide Paste and 0.4% Chlorhexidine on the Development of the Osteogenic Phenotype In Vitro. <i>Journal of Endodontics</i> , 2008, 34, 1485-1489.	1.4	25
35	Effects of a Mixture of Growth Factors and Proteins on the Development of the Osteogenic Phenotype in Human Alveolar Bone Cell Cultures. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 629-638.	1.3	25
36	Treatment With a Growth Factor Protein Mixture Inhibits Formation of Mineralized Nodules in Osteogenic Cell Cultures Grown on Titanium. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 265-276.	1.3	25

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37	Development of the osteoblastic phenotype in human alveolar bone-derived cells grown on a collagen type I-coated titanium surface. <i>Clinical Oral Implants Research</i> , 2009, 20, 240-246.	1.9	25
38	The Influence of Osteoblast Differentiation Stage on Bone Formation in Autogenously Implanted Cell-Based Poly(Lactide-Co-Glycolide) and Calcium Phosphate Constructs. <i>Tissue Engineering - Part A</i> , 2012, 18, 999-1005.	1.6	24
39	Cytotoxicity Testing of Methyl and Ethyl 2-Cyanoacrylate Using Direct Contact Assay on Osteoblast Cell Cultures. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013, 71, 35-41.	0.5	23
40	Response of human alveolar bone-derived cells to a novel poly(vinylidene fluoride-trifluoroethylene) copolymer. <i>Journal of Oral Medicine</i> , 2011, 22, 151-158.	1.7	22
41	Expression of osteoblastic phenotype in periodontal ligament fibroblasts cultured in three-dimensional collagen gel. <i>Journal of Applied Oral Science</i> , 2015, 23, 206-214.	0.7	21
42	Clinical, radiographic, and histological analyses of calcium phosphate cement as filling material in maxillary sinus lift surgery. <i>Clinical Oral Implants Research</i> , 2015, 26, 633-638.	1.9	20
43	The effect of collagen coating on titanium with nanotopography on <i>in vitro</i> osteogenesis. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2783-2788.	2.1	20
44	Expression of smooth-muscle actin in cultured cells from human plasmacytoid myoepithelioma. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1997, 84, 663-667.	1.6	19
45	Root Trunk Concavities as a Risk Factor for Regenerative Procedures of Class II Furcation Lesions in Dogs. <i>Journal of Periodontology</i> , 2001, 72, 612-619.	1.7	19
46	Chronic ethanol intake inhibits <i>in vitro</i> osteogenesis induced by osteoblasts differentiated from stem cells. <i>Journal of Applied Toxicology</i> , 2008, 28, 205-211.	1.4	19
47	Osteopetrosis Complicated by Osteomyelitis of the Maxilla and Mandible: Light and Electron Microscopic Findings. <i>Head and Neck Pathology</i> , 2009, 3, 320-326.	1.3	19
48	Osteogenic cell response to calcium aluminate-based cement. <i>International Endodontic Journal</i> , 2017, 50, 771-779.	2.3	19
49	Human osteoblastic cell response to a Ca and P-enriched titanium surface obtained by anodization. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 841-848.	2.1	18
50	Biopolymer-based membranes associated with osteogenic growth peptide for guided bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 035009.	1.7	18
51	Effect of bone morphogenetic protein 9 on osteoblast differentiation of cells grown on titanium with nanotopography. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8441-8449.	1.2	18
52	The effect of plasma-nitrided titanium surfaces on osteoblastic cell adhesion, proliferation, and differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 991-998.	2.1	17
53	Progression of Osteogenic Cell Cultures Grown on Microtopographic Titanium Coated With Calcium Phosphate and Functionalized With a Type I Collagen-Derived Peptide. <i>Journal of Periodontology</i> , 2013, 84, 1199-1210.	1.7	16
54	Effect of Surface Nanotopography on Bone Response to Titanium Implant. <i>Journal of Oral Implantology</i> , 2016, 42, 240-247.	0.4	16

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55	Understanding the mixed alkali effect on the sinterability and in vitro performance of bioactive glasses. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4391-4405.	2.8	16
56	Mesenchymal Stem Cells Repress Osteoblast Differentiation Under Osteogenic-Inducing Conditions. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2896-2902.	1.2	14
57	The effect of a reconstituted basement membrane (Matrigel) on a human salivary gland myoepithelioma cell line. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2001, 439, 571-578.	1.4	13
58	Bone cell responses to the composite of <i>Ricinus communis</i> polyurethane and alkaline phosphatase. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 435-441.	2.1	13
59	Bone repair in mandibular body osteotomy after using 2.0 miniplate system – histological and histometric analysis in dogs. <i>International Journal of Experimental Pathology</i> , 2008, 89, 91-97.	0.6	12
60	Nanotextured titanium surfaces stimulate spreading, migration, and growth of rat mast cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2150-2161.	2.1	12
61	Effect of Microcapsules Containing TAK-778 on Bone Formation Around Osseointegrated Implants: Histomorphometric Analysis in Dogs. <i>Implant Dentistry</i> , 2006, 15, 97-103.	1.7	11
62	Anatomoradiographic Description of the Teeth of Pacas Bred in Captivity ( <i>Agouti paca</i> , Linnaeus, 1766). <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2006, 35, 316-318.	0.3	11
63	Seeding Osteoblastic Cells into a Macroporous Biodegradable CaP/PLGA Scaffold by a Centrifugal Force. <i>Journal of Biomaterials Applications</i> , 2009, 23, 481-495.	1.2	11
64	Effects of enamel matrix derivative and transforming growth factor- $\beta$ 1 on human osteoblastic cells. <i>Head &amp; Face Medicine</i> , 2011, 7, 13.	0.8	11
65	Mandibular Bisphosphonate-Related Osteonecrosis After Dental Implant Rehabilitation. <i>Implant Dentistry</i> , 2012, 21, 449-453.	1.7	11
66	Bioactive-glass ceramic with two crystalline phases (BioS-2P) for bone tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 045018.	1.7	11
67	Participation of extracellular signal-regulated kinases 1/2 in osteoblast and adipocyte differentiation of mesenchymal stem cells grown on titanium surfaces. <i>European Journal of Oral Sciences</i> , 2017, 125, 355-360.	0.7	10
68	Influence of collagen membrane on bone quality in titanium mesh reconstructions – Study in rats. <i>Journal of Periodontology</i> , 2020, 91, 1673-1681.	1.7	10
69	Partial replacement of the dentin-pulp complex by periodontal supporting tissues in a traumatically intruded primary maxillary incisor. <i>Dental Traumatology</i> , 2008, 24, 553-555.	0.8	9
70	Bone response to a Ca- and P-enriched titanium surface obtained by anodization. <i>Brazilian Dental Journal</i> , 2008, 19, 15-20.	0.5	9
71	Influence of periodontal tissue thickness on buccal plate remodelling on immediate implants with xenograft. <i>Journal of Clinical Periodontology</i> , 2015, 42, 590-598.	2.3	9
72	Effects of surface treatments on Y-TZP phase stability, microstructure and osteoblast cell response. <i>Ceramics International</i> , 2015, 41, 14212-14222.	2.3	9

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73	Processing of ZrO <sub>2</sub> scaffolds coated by glass-ceramic derived from 45S5 bioglass. <i>Ceramics International</i> , 2016, 42, 4507-4516.	2.3	9
74	In vitro apatite-forming ability of calcium aluminate blends. <i>Ceramics International</i> , 2017, 43, 10071-10079.	2.3	9
75	Bioactive glass-based surfaces induce differential gene expression profiling of osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 419-423.	2.1	9
76	Calcium chloride-enriched calcium aluminate cement promotes <i>in vitro</i> osteogenesis. <i>International Endodontic Journal</i> , 2018, 51, 674-683.	2.3	9
77	Effect of 64S bioglass addition on sintering kinetic, flexural strength and osteoblast cell response of yttria-partially stabilized zirconia ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 517-530.	1.1	9
78	Bone tissue, cellular, and molecular responses to titanium implants treated by anodic spark deposition. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3092-3098.	2.1	8
79	Osteopontin expression in co-cultures of human squamous cell carcinoma-derived cells and osteoblastic cells and its effects on the neoplastic cell phenotype and osteoclastic activation. <i>Tumor Biology</i> , 2016, 37, 12371-12385.	0.8	8
80	Human Alveolar Bone-Derived Cell-Culture Behaviour on Biodegradable Poly(L-lactic Acid). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 167-179.	1.9	7
81	Effect of ZrO <sub>2</sub> content on ageing resistance and osteogenic cell differentiation of ZrO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> composite. <i>Ceramics International</i> , 2016, 42, 11363-11372.	2.3	7
82	Mast Cell Mediators Inhibit Osteoblastic Differentiation and Extracellular Matrix Mineralization. <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 723-741.	1.3	7
83	Autogenous bone combined with anorganic bovine bone for maxillary sinus augmentation: analysis of the osteogenic potential of cells derived from the donor and the grafted sites. <i>Clinical Oral Implants Research</i> , 2014, 25, 603-609.	1.9	6
84	Comparison of different fluorapatite dip coated layers on porous zirconia tapes. <i>Ceramics International</i> , 2014, 40, 12509-12517.	2.3	6
85	Bone response to three different chemical compositions of fluorcanasite glass-ceramic. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 480-483.	2.1	5
86	Improving the Radiopacity of Calcium Aluminate Cement Based Blends. <i>Materials Research</i> , 2018, 21, .	0.6	5
87	Preprosthetic Periodontal Surgery in the Interproximal Area With Modification of the COL Area: Anatomic and Histologic Study in Dogs. <i>Journal of Periodontology</i> , 2001, 72, 1734-1741.	1.7	4
88	Participation of estrogen receptors in the enhancement of osteoblast differentiation by TAK-778. <i>Molecular and Cellular Biochemistry</i> , 2006, 285, 101-109.	1.4	4
89	Histological and Histomorphometric Analysis of the Bone-Screw Interface in the Mandibular Body After Using a 2.0-mm Miniplate System: An Experimental Study in Dogs. <i>Journal of Oral and Maxillofacial Surgery</i> , 2007, 65, 2169-2175.	0.5	4
90	Comparative study of bone repair in mandibular body osteotomy between metallic and absorbable 2.0mm internal fixation systems. Histological and histometric analysis in dogs: a pilot study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2012, 41, 1361-1368.	0.7	4

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91	Clinical, Histological and Cellular Evaluation of Vertico-Lateral Maxillary Reconstruction Associating Alveolar Osteogenic Distraction and Fresh-Frozen Bone Allograft. <i>Journal of Oral Implantology</i> , 2015, 41, 326-331.	0.4	4
92	Bioactive Glass Particles in Two-Dimensional and Three-Dimensional Osteogenic Cell Cultures. <i>Brazilian Dental Journal</i> , 2017, 28, 307-316.	0.5	4
93	Processing, structural, and biological evaluations of zirconia scaffolds coated by fluorapatite. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 1415-1426.	1.1	4
94	Microscopic Characterization of Teeth of Pacas Bred in Captivity (Agouti paca, Linnaeus, 1766). <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2007, 36, 371-374.	0.3	3
95	Changes in actin and tubulin expression in osteogenic cells cultured on bioactive glass-based surfaces. <i>Microscopy Research and Technique</i> , 2015, 78, 1046-1053.	1.2	3
96	Macroscopic description of teeth of Azara's agouti ( <i>Dasyprocta azarae</i> ). <i>Pesquisa Veterinaria Brasileira</i> , 2012, 32, 93-95.	0.5	2
97	Mandibular symphysis and ramus as sources of osteoblastic cells for bone tissue engineering. <i>Oral Diseases</i> , 2014, 20, e31-5.	1.5	2
98	Metal nanoscale systems functionalized with organic compounds. , 2020, , 407-436.		2
99	Calcium aluminate cement-based blends for application to fill in bone defects. <i>Research on Biomedical Engineering</i> , 2020, 36, 429-438.	1.5	2
100	Histologic and Histometric Analysis of Bone Repair at the Site of Mandibular Body Osteotomy and at the Bone-Screw Interface After Using a Biodegradable 2.0-mm Internal Fixation System. <i>Journal of Craniofacial Surgery</i> , 2015, 26, 1214-1219.	0.3	1
101	Aging behavior of $\text{Y}\text{-}\text{ZrO}_2$ with bioglass addition and its impact on the flexural strength and osteoblastic cell response. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2792-2806.	1.1	1
102	Purmorphamine stimulates osteoblastic differentiation of mesenchymal stem cells. <i>FASEB Journal</i> , 2009, 23, 939.8.	0.2	1
103	Development of the osteogenic phenotype in vitro on titanium surface nanotopographies functionalized with GDF-5. <i>Bone</i> , 2012, 50, S68.	1.4	0
104	Secreted Osteopontin from Human Osteoblastic Cells Regulates the Invasive Capacity of an Oral Squamous Cell Carcinoma Cell Line. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, e185.	0.2	0
105	Effect of hedgehog signaling activation on osteoblast differentiation of human mesenchymal stem cells. <i>FASEB Journal</i> , 2010, 24, lb480.	0.2	0
106	Impact of calcium aluminate cement with additives on dental pulp-derived cells. <i>Journal of Applied Oral Science</i> , 2020, 28, e20190105.	0.7	0