Pedro S Gomes

List of Publications by Year in descending order

98 papers	2,693 citations	159585 30 h-index	206112 48 g-index
104 all docs	104 docs citations	104 times ranked	4971 citing authors

#	Article	IF	Citations
1	Microgap and bacterial microleakage during the osseointegration period: An inÂvitro assessment of the cover screw and healing abutment in a platform-switched implant system. Journal of Prosthetic Dentistry, 2023, 130, 87-95.	2.8	9
2	Inhibition of ATG3 ameliorates liver steatosis by increasing mitochondrial function. Journal of Hepatology, 2022, 76, 11-24.	3.7	16
3	Using plasma-mediated covalent functionalization of rhamnolipids on polydimethylsiloxane towards the antimicrobial improvement of catheter surfaces. Materials Science and Engineering C, 2022, 134, 112563.	7.3	13
4	A new ex vivo model of the bone tissue response to the hyperglycemic environment â€“ The embryonic chicken femur organotypic culture in high glucose conditions. Bone, 2022, 158, 116355.	2.9	7
5	Surgical Treatment of Ameloblastoma: How Does It Impact the Oral Health-Related Quality of Life? A Systematic Review. Journal of Oral and Maxillofacial Surgery, 2022, 80, 1103-1114.	1.2	4
6	Oral lichen planus identification by mid-infrared spectroscopy of oral biofluids: A case-control study. Clinica Chimica Acta, 2022, 530, 126-133.	1.1	0
7	Simulating In Vitro the Bone Healing Potential of a Degradable and Tailored Multifunctional Mg-Based Alloy Platform. Bioengineering, 2022, 9, 255.	3.5	3
8	Bonding antimicrobial rhamnolipids onto medical grade PDMS: A strategy to overcome multispecies vascular catheter-related infections. Colloids and Surfaces B: Biointerfaces, 2022, 217, 112679.	5.0	7
9	Effects of 660â€‰nm and 780â€‰nm Laser Therapy on ST88â€14 Schwann Cells. Photochemistry and Photobiology, 2021, 97, 198-204.	2.5	6
10	3D-printed platform multi-loaded with bioactive, magnetic nanoparticles and an antibiotic for re-growing bone tissue. International Journal of Pharmaceutics, 2021, 593, 120097.	5.2	19
11	Exploring the potential of chitosan-based particles as delivery-carriers for promising antimicrobial glycolipid biosurfactants. Carbohydrate Polymers, 2021, 254, 117433.	10.2	17
12	Biological Assessment of Bioceramics: In Vitro and In Vivo Tests. , 2021, , 798-816.		0
13	The Embryonic Chick Femur Organotypic Model as a Tool to Analyze the Angiotensin II Axis on Bone Tissue. Pharmaceuticals, 2021, 14, 469.	3.8	5
14	Assessment of the Bone Healing Process Mediated by Periosteum-Derived Mesenchymal Stem Cellsâ€™ Secretome and a Xenogenic Bioceramicâ€”An In Vivo Study in the Rabbit Critical Size Calvarial Defect Model. Materials, 2021, 14, 3512.	2.9	5
15	Rosehip Extract-Functionalized Magnesium Hydroxide Nanoparticles and Its Effect on Osteoblastic and Osteoclastic Cells. Materials, 2021, 14, 4172.	2.9	6
16	Microgap and microleakage of a hybrid connection platform-switched implant system in the absence or presence of a silicone-based sealing agent. Odontology / the Society of the Nippon Dental University, 2021, , 1.	1.9	0
17	The Osteogenic Assessment of Mineral Trioxide Aggregateâ€“based Endodontic Sealers in an Organotypic ExÂVivo Bone Development Model. Journal of Endodontics, 2021, 47, 1461-1466.	3.1	4
18	From Blood to Boneâ€”The Osteogenic Activity of L-PRF Membranes on the Ex Vivo Embryonic Chick Femur Development Model. Materials, 2021, 14, 7830.	2.9	4

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19	The diagnosis of eating disorders through mid-infrared spectroscopy of the gingival crevicular fluid: a pilot trial. Eating and Weight Disorders, 2020, 25, 1111-1115.	2.5	2
20	The yin and yang faces of the mitochondrial deacetylase sirtuin 3 in age-related disorders. Ageing Research Reviews, 2020, 57, 100983.	10.9	23
21	Glutaraldehyde-crosslinking chitosan scaffolds reinforced with calcium phosphate spray-dried granules for bone tissue applications. Materials Science and Engineering C, 2020, 109, 110557.	7.3	53
22	Encapsulated bacteriophages in alginate-nanohydroxyapatite hydrogel as a novel delivery system to prevent orthopedic implant-associated infections. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102145.	3.3	44
23	A Molecular Perspective on Sirtuin Activity. International Journal of Molecular Sciences, 2020, 21, 8609.	4.1	28
24	Doxycycline restores the impaired osteogenic commitment of diabetic-derived bone marrow mesenchymal stromal cells by increasing the canonical WNT signaling. Molecular and Cellular Endocrinology, 2020, 518, 110975.	3.2	7
25	Efficacy and Cytotoxicity of Binary Mixtures as Root Canal Filling Solvents. Materials, 2020, 13, 3237.	2.9	7
26	Citrate zinc hydroxyapatite nanorods with enhanced cytocompatibility and osteogenesis for bone regeneration. Materials Science and Engineering C, 2020, 115, 111147.	7.3	35
27	COVID-19. Clinical Guidelines Dentistry. , 2020, , .		2
28	COVID-19. Clinical Guidelines Dentistry | Orthodontics Extension. , 2020, , .		0
29	Alginate-nanohydroxyapatite hydrogel system: Optimizing the formulation for enhanced bone regeneration. Materials Science and Engineering C, 2019, 105, 109985.	7.3	53
30	Dichotomous Sirtuins: Implications for Drug Discovery in Neurodegenerative and Cardiometabolic Diseases. Trends in Pharmacological Sciences, 2019, 40, 1021-1039.	8.7	24
31	Understanding intracellular trafficking and anti-inflammatory effects of minocycline chitosan-nanoparticles in human gingival fibroblasts for periodontal disease treatment. International Journal of Pharmaceutics, 2019, 572, 118821.	5.2	37
32	Engineering a multifunctional 3D-printed PLA-collagen-minocycline-nanoHydroxyapatite scaffold with combined antimicrobial and osteogenic effects for bone regeneration. Materials Science and Engineering C, 2019, 101, 15-26.	7.3	127
33	EndoProteoFASP as a Tool to Unveil the Peptidome-Protease Profile: Application to Salivary Diagnostics. Methods in Molecular Biology, 2018, 1719, 293-310.	0.9	1
34	Novel cellulose/hydroxyapatite scaffolds for bone tissue regeneration: In vitro and in vivo study. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1195-1208.	2.7	44
35	Orofacial manifestations in outpatients with anorexia nervosa and bulimia nervosa focusing on the vomiting behavior. Clinical Oral Investigations, 2018, 22, 1915-1922.	3.0	31
36	In vivo tissue response and antibacterial efficacy of minocycline delivery system based on polymethylmethacrylate bone cement. Journal of Biomaterials Applications, 2018, 33, 380-391.	2.4	8

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37	Processing, Characterization, and in Vivo Evaluation of Poly(<scp>l</scp>-lactic acid)-Fish Gelatin Electrospun Membranes for Biomedical Applications. ACS Applied Bio Materials, 2018, 1, 226-236.	4.6	3
38	Vascular biosafety of commercial hydroxyapatite particles: discrepancy between blood compatibility assays and endothelial cell behavior. Journal of Nanobiotechnology, 2018, 16, 27.	9.1	27
39	Incorporation of glass-reinforced hydroxyapatite microparticles into poly(lactic acid) electrospun fibre mats for biomedical applications. Materials Science and Engineering C, 2017, 75, 1184-1190.	7.3	17
40	Multifunctional PLLA-ceramic fiber membranes for bone regeneration applications. Journal of Colloid and Interface Science, 2017, 504, 101-110.	9.4	40
41	Levofloxacin-loaded bone cement delivery system: Highly effective against intracellular bacteria and Staphylococcus aureus biofilms. International Journal of Pharmaceutics, 2017, 532, 241-248.	5.2	35
42	The NAD+-dependent deacetylase SIRT2 attenuates oxidative stress and mitochondrial dysfunction and improves insulin sensitivity in hepatocytes. Human Molecular Genetics, 2017, 26, 4105-4117.	2.9	67
43	Increased DNA damage and cell death on exfoliated buccal epithelial cells upon CPAP therapy with oro-nasal interface. Sleep Medicine, 2017, 29, 92-93.	1.6	0
44	Development of hydroxyapatite nanoparticles loaded with folic acid to induce osteoblastic differentiation. International Journal of Pharmaceutics, 2017, 516, 185-195.	5.2	28
45	A minocycline-releasing PMMA system as a space maintainer for staged bone reconstructionsâ€" in vitro antibacterial, cytocompatibility and anti-inflammatory characterization. Biomedical Materials (Bristol), 2017, 12, 035009.	3.3	11
46	In vivoassessment of a new multifunctional coating architecture for improved Mg alloy biocompatibility. Biomedical Materials (Bristol), 2016, 11, 045007.	3.3	6
47	PDMS-SiO2-TiO2-CaO hybrid materials â€" Cytocompatibility and nanoscale surface features. Materials Science and Engineering C, 2016, 64, 74-86.	7.3	10
48	The effects of intense pulsed light in a mouse model of skin carcinogenesis. British Journal of Dermatology, 2016, 174, 216-218.	1.5	0
49	Effect of Sterilization Methods on Electrospun Poly(lactic acid) (PLA) Fiber Alignment for Biomedical Applications. ACS Applied Materials & Interfaces, 2016, 8, 3241-3249.	8.0	171
50	A biocompatible hybrid material with simultaneous calcium and strontium release capability for bone tissue repair. Materials Science and Engineering C, 2016, 62, 429-438.	7.3	21
51	Osteogenic and Angiogenic Response to Calcium Silicateâ€"based Endodontic Sealers. Journal of Endodontics, 2016, 42, 113-119.	3.1	42
52	Bone Cells Dynamics during Peri-Implantitis: a Theoretical Analysis. Journal of Oral & Maxillofacial Research, 2016, 7, e6.	1.0	20
53	The 1st Baltic Osseointegration Academy and Lithuanian University of Health Sciences Consensus Conference 2016. Summary and Consensus Statements: Group I - Peri-Implantitis Aetiology, Risk Factors and Pathogenesis. Journal of Oral & Maxillofacial Research, 2016, 7, e7.	1.0	3
54	Microanalysis of Bioactive Samarium Doped Glass-Reinforced Hydroxyapatite. Microscopy and Microanalysis, 2015, 21, 31-32.	0.4	3

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55	The Osteogenic Priming of Mesenchymal Stem Cells is Impaired in Experimental Diabetes. Journal of Cellular Biochemistry, 2015, 116, 1658-1667.	2.6	16
56	Novel cerium doped glass-reinforced hydroxyapatite with antibacterial and osteoconductive properties for bone tissue regeneration. Biomedical Materials (Bristol), 2015, 10, 055008.	3.3	45
57	Toward the definition of a peptidome signature and protease profile in chronic periodontitis. Proteomics - Clinical Applications, 2015, 9, 917-927.	1.6	21
58	Smart electroconductive bioactive ceramics to promote in situ electrostimulation of bone. Journal of Materials Chemistry B, 2015, 3, 1831-1845.	5.8	20
59	Cross-species comparison of mammalian saliva using an LC-MALDI based proteomic approach. Proteomics, 2015, 15, 1598-1607.	2.2	44
60	Gold-dotted hydroxyapatite nanoparticles as multifunctional platforms for medical applications. RSC Advances, 2015, 5, 69184-69195.	3.6	27
61	Dielsâ€“Alder functionalized carbon nanotubes for bone tissue engineering: in vitro/in vivo biocompatibility and biodegradability. Nanoscale, 2015, 7, 9238-9251.	5.6	26
62	endoProteoFASP: A novel FASP approach to profile salivary peptidome and disclose salivary proteases. Talanta, 2015, 132, 486-493.	5.5	9
63	Processing strategies for smart electroconductive carbon nanotube-based bioceramic bone grafts. Nanotechnology, 2014, 25, 145602.	2.6	6
64	Bisphosphonates induce the osteogenic gene expression in coâ€cultured human endothelial and mesenchymal stem cells. Journal of Cellular and Molecular Medicine, 2014, 18, 27-37.	3.6	24
65	The biomaterial-mediated healing of critical size bone defects in the ovariectomized rat. Osteoporosis International, 2014, 25, 1535-1545.	3.1	36
66	Uncovering the molecular networks in periodontitis. Proteomics - Clinical Applications, 2014, 8, 748-761.	1.6	69
67	Samarium doped glass-reinforced hydroxyapatite with enhanced osteoblastic performance and antibacterial properties for bone tissue regeneration. Journal of Materials Chemistry B, 2014, 2, 5872-5881.	5.8	40
68	Multifunctional Carbon Nanotube/Bioceramics Modulate the Directional Growth and Activity of Osteoblastic Cells. Journal of Biomedical Nanotechnology, 2014, 10, 725-743.	1.1	18
69	Loss of oxidative stress tolerance in hypertension is linked to reduced catalase activity and increased c-Jun NH2-terminal kinase activation. Free Radical Biology and Medicine, 2013, 56, 112-122.	2.9	13
70	Biomimetic Mineralization on a Macroporous Cellulose-Based Matrix for Bone Regeneration. BioMed Research International, 2013, 2013, 1-9.	1.9	64
71	Development and Characterization of Lanthanides Doped Hydroxyapatite Composites for Bone Tissue Application. , 2013, , 87-115.		8
72	Calcium Phosphate Ceramics in Periodontal Regeneration. , 2013, , 116-141.		1

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73	Relevance of the sterilization-induced effects on the properties of different hydroxyapatite nanoparticles and assessment of the osteoblastic cell response. Journal of the Royal Society Interface, 2012, 9, 3397-3410.	3.4	38
74	Dental stem cells for craniofacial tissue engineering. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 113, 728-733.	0.4	32
75	Suitability of PLLA as Piezoelectric Substrates for Tissue Engineering Evidenced by Microscopy Techniques. Microscopy and Microanalysis, 2012, 18, 63-64.	0.4	13
76	Diagnostic Approaches to SjÃ¶grenâ€™s Syndrome: a Literature Review and Own Clinical Experience. Journal of Oral & Maxillofacial Research, 2012, 3, e3.	1.0	22
77	Development and Characterization of <scp><scp>Ag</scp></scp>₂<scp><scp>O</scp></scp>â€Doped <scp><scp>ZnLB</scp></scp> Glasses and Biological Assessment of <scp><scp>Ag</scp></scp>₂<scp><scp>O</scp></scp>â€“<scp><scp>ZnLB</scp></scp>â€“Hydroxyapatite Composites. Journal of the American Ceramic Society, 2012, 95, 2732-2740.	3.8	10
78	Equisetum arvense hydromethanolic extracts in bone tissue regeneration: in vitro osteoblastic modulation and antibacterial activity. Cell Proliferation, 2012, 45, 386-396.	5.3	32
79	Advances in the Aetiophatogenesis of SjÃ¶grenâ€™s Syndrome: a Literature Review. Journal of Oral & Maxillofacial Research, 2012, 3, e2.	1.0	3
80	Rodent models in bone-related research: the relevance of calvarial defects in the assessment of bone regeneration strategies. Laboratory Animals, 2011, 45, 14-24.	1.0	189
81	Mastocytosis: oral implications of a rare disease. Journal of Oral Pathology and Medicine, 2011, 40, 441-450.	2.7	9
82	Silicate and borate glasses as composite fillers: a bioactivity and biocompatibility study. Journal of Materials Science: Materials in Medicine, 2011, 22, 1501-1510.	3.6	22
83	Cytotoxicity of denture adhesives. Clinical Oral Investigations, 2011, 15, 885-893.	3.0	31
84	In the trail of a new bio-sensor for measuring strain in bone: Osteoblastic biocompatibility. Biosensors and Bioelectronics, 2011, 26, 4046-4052.	10.1	22
85	New titanium and titanium/hydroxyapatite coatings on ultra-high-molecular-weight polyethyleneâ€” in vitro osteoblastic performance. Biomedical Materials (Bristol), 2010, 5, 035014.	3.3	9
86	Evaluation of human osteoblastic cell response to plasmaâ€sprayed siliconâ€substituted hydroxyapatite coatings over titanium substrates. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 94B, 337-346.	3.4	51
87	Defensins in the oral cavity: distribution and biological role. Journal of Oral Pathology and Medicine, 2010, 39, 1-9.	2.7	49
88	Osteonecrose dos Maxilares Associada ao Uso de Bifosfonatos. Parte II: Linhas de OrientaÃ§Ã£o na Consulta de Medicina DentÃ¡ria. Revista Portuguesa De Estomatologia, Medicina Dentaria E Cirurgia Maxilofacial, 2010, 51, 185-191.	0.0	2
89	Aging increases Oxidative Stress and Renal Expression of Oxidant and Antioxidant Enzymes that Are Associated with an Increased Trend in Systolic Blood Pressure. Oxidative Medicine and Cellular Longevity, 2009, 2, 138-145.	4.0	59
90	Cytotoxicity evaluation of nanocrystalline diamond coatings by fibroblast cell cultures. Acta Biomaterialia, 2009, 5, 755-763.	8.3	62

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91	Growth and phenotypic expression of human endothelial cells cultured on a glass-reinforced hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2009, 20, 725-731.	3.6	9
92	Purmorphamine-induced osteoblastic commitment of adipose tissue-derived mesenchymal cells. Bone, 2009, 44, S314-S315.	2.9	2
93	Assessment of the osteoblastic cell response to a zinc glass reinforced hydroxyapatite composite (Zn-GRHA). International Journal of Nano and Biomaterials, 2009, 2, 100.	0.1	0
94	Cell-induced response by tetracyclines on human bone marrow colonized hydroxyapatite and BonelikeÂ®. Acta Biomaterialia, 2008, 4, 630-637.	8.3	50
95	Nanocrystalline diamond: In vitro biocompatibility assessment by MG63 and human bone marrow cells cultures. Journal of Biomedical Materials Research - Part A, 2008, 87A, 91-99.	4.0	120
96	Biocompatibility evaluation of DLC-coated Si3N4 substrates for biomedical applications. Diamond and Related Materials, 2008, 17, 878-881.	3.9	73
97	Nanocrystalline Diamond as a Coating for Joint Implants: Cytotoxicity and Biocompatibility Assessment. Journal of Nanomaterials, 2008, 2008, 1-9.	2.7	36
98	Effect of therapeutic levels of doxycycline and minocycline in the proliferation and differentiation of human bone marrow osteoblastic cells. Archives of Oral Biology, 2007, 52, 251-259.	1.8	84