

Gutenberg Gomes Alves

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,768
citations

279487

23
h-index

315357

38
g-index

91
all docs

91
docs citations

91
times ranked

2597
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone Morphogenetic Proteins: Structure, biological function and therapeutic applications. Archives of Biochemistry and Biophysics, 2014, 561, 64-73.	1.4	146
2	Optimal Cytocompatibility of a Bioceramic Nanoparticulate Cement in Primary Human Mesenchymal Cells. Journal of Endodontics, 2009, 35, 1387-1390.	1.4	142
3	Mechanical properties and <i>in vitro</i> characterization of polyvinyl alcohol-nano-silver hydrogel wound dressings. Interface Focus, 2014, 4, 20130049.	1.5	91
4	Cytocompatibility of the ready-to-use bioceramic putty repair cement iRoot BP Plus with primary human osteoblasts. International Endodontic Journal, 2012, 45, 508-513.	2.3	84
5	A multiparametric assay to compare the cytotoxicity of endodontic sealers with primary human osteoblasts. International Endodontic Journal, 2012, 45, 12-18.	2.3	74
6	Understanding the impact of divalent cation substitution on hydroxyapatite: An <i>in vitro</i> multiparametric study on biocompatibility. Journal of Biomedical Materials Research - Part A, 2011, 98A, 351-358.	2.1	70
7	Synthesis and cytotoxicity evaluation of granular magnesium substituted β -tricalcium phosphate. Journal of Applied Oral Science, 2013, 21, 37-42.	0.7	51
8	A radioassay for phosphofructokinase-1 activity in cell extracts and purified enzyme. Journal of Proteomics, 2002, 50, 129-140.	2.4	46
9	In vitro cytotoxicity of dental adhesives: A systematic review. Dental Materials, 2019, 35, 195-205.	1.6	44
10	Intracellular signal transduction as a factor in the development of "Smart" biomaterials for bone tissue engineering. Biotechnology and Bioengineering, 2011, 108, 1246-1250.	1.7	43
11	Epinephrine modulates cellular distribution of muscle phosphofructokinase. Molecular Genetics and Metabolism, 2003, 78, 302-306.	0.5	38
12	Cytocompatibility and biocompatibility of nanostructured carbonated hydroxyapatite spheres for bone repair. Journal of Applied Oral Science, 2015, 23, 599-608.	0.7	37
13	Advances and potential application of gold nanoparticles in nanomedicine. Journal of Cellular Biochemistry, 2019, 120, 16370-16378.	1.2	37
14	MTT versus other cell viability assays to evaluate the biocompatibility of root canal filling materials: a systematic review. International Endodontic Journal, 2020, 53, 1348-1373.	2.3	37
15	The <i>in vitro</i> release of cytokines and growth factors from fibrin membranes produced through horizontal centrifugation. Journal of Biomedical Materials Research - Part A, 2018, 106, 1373-1380.	2.1	36
16	Nanometer Scale Titanium Surface Texturing Are Detected by Signaling Pathways Involving Transient FAK and Src Activations. PLoS ONE, 2014, 9, e95662.	1.1	34
17	The association of human primary bone cells with biphasic calcium phosphate (β TCP/HA 70:30) granules increases bone repair. Journal of Materials Science: Materials in Medicine, 2012, 23, 781-788.	1.7	33
18	Genetic influences on dental enamel that impact caries differ between the primary and permanent dentitions. European Journal of Oral Sciences, 2015, 123, 327-334.	0.7	33

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19	Adsorption of chlorhexidine on synthetic hydroxyapatite and in vitro biological activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 310-318.	2.5	31
20	In vivo evaluation of the biocompatibility and biodegradation of a new denatured plasma membrane combined with liquid PRF (Alb-PRF). <i>Platelets</i> , 2021, 32, 542-554.	1.1	31
21	Salivary protein polymorphisms and risk of dental caries: a systematic review. <i>Brazilian Oral Research</i> , 2017, 31, e41.	0.6	28
22	Apoptosis-associated speck-like protein containing a caspase-1 recruitment domain (ASC) contributes to osteoblast differentiation and osteogenesis. <i>Journal of Cellular Physiology</i> , 2019, 234, 4140-4153.	2.0	27
23	Discovering the cell: an educational game about cell and molecular biology. <i>Journal of Biological Education</i> , 2008, 43, 27-36.	0.8	26
24	Effects of insulin and actin on phosphofructokinase activity and cellular distribution in skeletal muscle. <i>Anais Da Academia Brasileira De Ciencias</i> , 2004, 76, 541-548.	0.3	25
25	Comparison of primary human gingival fibroblasts from an older and a young donor on the evaluation of cytotoxicity of denture adhesives. <i>Journal of Applied Oral Science</i> , 2018, 26, e20160594.	0.7	23
26	Bone Remodeling, Biomaterials And Technological Applications: Revisiting Basic Concepts. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011, 02, 318-328.	1.0	22
27	Biomimetic Mineralization on 3D Printed PLA Scaffolds: On the Response of Human Primary Osteoblasts Spheroids and In Vivo Implantation. <i>Polymers</i> , 2021, 13, 74.	2.0	22
28	The impact of the RGD peptide on osteoblast adhesion and spreading on zinc-substituted hydroxyapatite surface. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1271-1283.	1.7	21
29	Genetic Polymorphisms in DEFB1 and miRNA202 Are Involved in Salivary Human Î²-Defensin 1 Levels and Caries Experience in Children. <i>Caries Research</i> , 2017, 51, 209-215.	0.9	21
30	Teaching Cell Biology to Dental Students with a Project-Based Learning Approach. <i>Journal of Dental Education</i> , 2018, 82, 322-331.	0.7	21
31	The use of platelet-rich fibrin as a hemostatic material in oral soft tissues. <i>Oral and Maxillofacial Surgery</i> , 2018, 22, 329-333.	0.6	20
32	Does the association of blood-derived growth factors to nanostructured carbonated hydroxyapatite contributes to the maxillary sinus floor elevation? A randomized clinical trial. <i>Clinical Oral Investigations</i> , 2019, 23, 369-379.	1.4	20
33	A Proof of the Low Speed Centrifugation Concept in Rodents: New Perspectives for In Vivo Research. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 659-670.	1.1	19
34	Evaluation of the in vivo biocompatibility of hydroxyapatite granules incorporated with zinc ions. <i>Materials Research</i> , 2010, 13, 563-568.	0.6	18
35	Cytocompatibility of Porous Biphasic Calcium Phosphate Granules With Human Mesenchymal Cells by a Multiparametric Assay. <i>Artificial Organs</i> , 2012, 36, 535-542.	1.0	17
36	Effect of time of extraction on the biocompatibility of endodontic sealers with primary human fibroblasts. <i>Brazilian Oral Research</i> , 2012, 26, 424-430.	0.6	17

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37	Assessment of predictivity of volatile organic compounds carcinogenicity and mutagenicity by freeware in silico models. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 91, 1-8.	1.3	16
38	Effects of rotor angle and time after centrifugation on the biological in vitro properties of platelet rich fibrin membranes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 60-68.	1.6	16
39	p-Nitrophenylphosphatase Activity Catalyzed by Plasma Membrane (Ca ²⁺ +Mg ²⁺)ATPase: Correlation with Structural Changes Modulated by Glycerol and Ca ²⁺ . <i>Bioscience Reports</i> , 2001, 21, 25-32.	1.1	15
40	Impact of crystallinity and crystal size of nanostructured carbonated hydroxyapatite on pre-osteoblast in vitro biocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1965-1976.	2.1	13
41	A 3D Osteoblast In Vitro Model for the Evaluation of Biomedical Materials. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.0	12
42	Usefulness of platelet-rich fibrin as a hemostatic agent after dental extractions in patients receiving anticoagulant therapy with factor Xa inhibitors: a case series. <i>Oral and Maxillofacial Surgery</i> , 2019, 23, 381-386.	0.6	11
43	Introducing DNA concepts to Swiss high school students based on a Brazilian educational game. <i>Biochemistry and Molecular Biology Education</i> , 2007, 35, 416-421.	0.5	10
44	Magnesium incorporation into β -TCP reduced its in vivo resorption by decreasing parathormone production. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1986-1993.	2.1	10
45	Resistant starch supplementation attenuates inflammation in hemodialysis patients: a pilot study. <i>International Urology and Nephrology</i> , 2020, 52, 549-555.	0.6	10
46	Evaluation of Commercial Latex as a Positive Control for <i>In Vitro</i> Testing of Bioceramics. <i>Key Engineering Materials</i> , 0, 631, 357-362.	0.4	9
47	<i>BMP2</i> ; Is Associated with Caries Experience in Primary Teeth. <i>Caries Research</i> , 2015, 49, 425-433.	0.9	9
48	Cytotoxicity Evaluation of Two Bis-Acryl Composite Resins Using Human Gingival Fibroblasts. <i>Brazilian Dental Journal</i> , 2016, 27, 492-496.	0.5	9
49	Effects of Leukocyte-Platelet-Rich Fibrin (L-PRF) on Pain, Soft Tissue Healing, Growth Factors, and Cytokines after Third Molar Extraction: A Randomized, Split-Mouth, Double-Blinded Clinical Trial. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1666.	1.3	9
50	Prognosis of Regenerative Endodontic Procedures in Mature Teeth: A Systematic Review and Meta-Analysis of Clinical and Radiographic Parameters. <i>Materials</i> , 2021, 14, 4418.	1.3	9
51	“Sticky Bone” Preparation Device: A Pilot Study on the Release of Cytokines and Growth Factors. <i>Materials</i> , 2022, 15, 1474.	1.3	9
52	Short-Term Response of Human Osteoblast-Like Cells on Titanium Surfaces With Micro- and Nano-Sized Features. <i>Scanning</i> , 2012, 34, 378-386.	0.7	8
53	Association between genetic polymorphisms in DEFB1 and microRNA202 with caries in two groups of Brazilian children. <i>Archives of Oral Biology</i> , 2018, 92, 1-7.	0.8	8
54	Standardized pyrogen testing of medical products with the bacterial endotoxin test (BET) as a substitute for rabbit Pyrogen testing (RPT): A scoping review. <i>Toxicology in Vitro</i> , 2021, 74, 105160.	1.1	8

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55	The Use of DNA Extraction for Molecular Biology and Biotechnology Training: A Practical and Alternative Approach. <i>Creative Education</i> , 2015, 06, 762-772.	0.2	8
56	Evaluation of Inflammatory Response to Endodontic Sealers in a Bone Defect Animal Model. <i>Journal of Contemporary Dental Practice</i> , 2016, 17, 536-541.	0.2	7
57	Effect of Different Root Canal Irrigant Solutions on the Release of Dentin-Growth Factors: A Systematic Review and Meta-Analysis. <i>Materials</i> , 2021, 14, 5829.	1.3	7
58	Evaluation of Cytocompatibility of Bioglass-Niobium Granules with Human Primary Osteoblasts: A Multiparametric Approach. <i>Key Engineering Materials</i> , 0, 493-494, 37-42.	0.4	6
59	Humane Education in Brazil: Organisation, Challenges and Opportunities. <i>ATLA Alternatives To Laboratory Animals</i> , 2015, 43, 337-344.	0.7	6
60	Biodentine™ is cytocompatible with human primary osteoblasts. <i>Brazilian Oral Research</i> , 2017, 31, e81.	0.6	6
61	On the Journey toward Humane Education in Brazil: First Request for a Total Ban of Harmful Animal Use in Professional and Higher Education. <i>ATLA Alternatives To Laboratory Animals</i> , 2017, 45, 287-293.	0.7	5
62	Allosteric regulation of 6-phosphofructo-1-kinase activity of fat body and flight muscle from the bloodsucking bug <i>Rhodnius prolixus</i> . <i>Anais Da Academia Brasileira De Ciencias</i> , 2007, 79, 53-62.	0.3	4
63	Brazil Starts to Ban Animal Use in Higher Education: A Positive and Progressive Development. <i>ATLA Alternatives To Laboratory Animals</i> , 2018, 46, 235-239.	0.7	4
64	Biocompatibility of Carbonated Hydroxyapatite Nanoparticles with Different Crystallinities. <i>Key Engineering Materials</i> , 0, 493-494, 331-336.	0.4	3
65	In Vitro Analysis of the Cytotoxicity of Indirect Restorative Materials. <i>Brazilian Dental Journal</i> , 2018, 29, 507-512.	0.5	3
66	Métodos alternativos para a detecção de pirógenos em produtos e ambientes sujeitos a Vigilância Sanitária: avanços e perspectivas no Brasil a partir do reconhecimento internacional do Teste de Ativação de Monócitos. <i>Vigilância Sanitária Em Debate: Sociedade, Ciência & Tecnologia</i> , 2018, 6, 137.	0.3	3
67	Evaluation of Inflammatory Response to Endodontic Sealers in a Bone Defect Animal Model. <i>Journal of Contemporary Dental Practice</i> , 2016, 17, 536-41.	0.2	3
68	Methodological Implications on Quantitative Studies of Cytocompatibility in Direct Contact with Bioceramic Surfaces. <i>Key Engineering Materials</i> , 2011, 493-494, 325-330.	0.4	2
69	<i>In Vivo</i> and <i>In Vitro</i> Biocompatibility Study of Nanostructured Carbonate-Apatite. <i>Key Engineering Materials</i> , 0, 493-494, 247-251.	0.4	2
70	Association of DNA sequence-independent genetic regulatory mechanisms with apical periodontitis: A scoping review. <i>Archives of Oral Biology</i> , 2020, 115, 104737.	0.8	2
71	Thiourethane-functionalized fillers: biological properties and degradation resistance. <i>Brazilian Oral Research</i> , 2020, 35, e018.	0.6	2
72	Osteosphere Model to Evaluate Cell-Surface Interactions of Implantable Biomaterials. <i>Materials</i> , 2021, 14, 5858.	1.3	2

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73	New Law of Brazilian Biodiversity: Legal Aspects and Impact in the Field of Biotechnology. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20210413.	0.3	2
74	Cytocompatibility and Structural Arrangement of the Collagen Fibers: An <i>In Vitro</i> and <i>In Vivo</i> Evaluation of 5% Zinc Containing Hydroxyapatite Granules. <i>Key Engineering Materials</i> , 0, 493-494, 298-303.	0.4	1
75	Stability of the Magnesium Carbonate Apatite/Anionic Collagen Scaffolds: Effect of the Cross-Link Concentration. <i>Key Engineering Materials</i> , 0, 493-494, 844-848.	0.4	1
76	Osseinduction Evaluation of Hydroxyapatite and Zinc Containing Hydroxyapatite Granules in Rabbits. <i>Key Engineering Materials</i> , 2011, 493-494, 252-257.	0.4	1
77	<i>In Vitro</i> and <i>In Vivo</i> Biocompatibility Of ReOss® in Powder and Putty Configurations. <i>Brazilian Dental Journal</i> , 2018, 29, 117-127.	0.5	1
78	Answer controversies about hemostatic properties of platelet-rich fibrin. <i>Oral and Maxillofacial Surgery</i> , 2019, 23, 121-121.	0.6	1
79	Cytocompatibility of filling pastes by primary teeth root simulating model. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 174-183.	0.9	1
80	CONCEPÇÕES DE EDUCAÇÃO EM SAÚDE NOS JOGOS DIDÁTICOS SOBRE <i>Aedes aegypti</i> NO BRASIL: UMA REVISÃO INTEGRATIVA. <i>Investigacoes Em Ensino De Ciencias</i> , 2021, 26, 285.	0.0	1
81	Digital Management Systems in Academic Health Sciences Laboratories: A Scoping Review. <i>Healthcare (Switzerland)</i> , 2021, 9, 739.	1.0	1
82	The impact of online management systems: a qualitative assessment of staff perception at a clinical research laboratory. <i>Research, Society and Development</i> , 2020, 9, e9239109188.	0.0	1
83	Cytocompatibility of a self-adhesive gutta-percha root-filling material. <i>Journal of Conservative Dentistry</i> , 2017, 20, 152.	0.3	1
84	Multiparametric <i>In Vitro</i> Evaluation of Cytocompatibility of 1% Strontium-Containing Nanostructured Hydroxyapatite. <i>Key Engineering Materials</i> , 2014, 631, 345-350.	0.4	0
85	Cytotoxicity in fibroblasts from young and elderly donors from two mouthwashes used to prevent the spread of SARS-CoV-2. <i>Research, Society and Development</i> , 2021, 10, e56810414587.	0.0	0
86	Initial parameters for the assessment of osteoblast differentiation through alkaline phosphatase for biomaterial testing. <i>International Journal of Growth Factors and Stem Cells in Dentistry</i> , 2019, 2, 37.	0.6	0
87	Impacto da reabilitação oral na qualidade de vida e nos níveis de cortisol de pacientes geriátricos. <i>Research, Society and Development</i> , 2020, 9, e2639119911.	0.0	0
88	Peri-implant health after supportive mucositis therapy is associated with increased levels of FGF-2. <i>Brazilian Dental Journal</i> , 2021, 32, 55-66.	0.5	0
89	Alb-PRF: the history behind the science. <i>International Journal of Clinical Biochemistry and Research</i> , 2022, 9, 90-91.	0.0	0
90	The influence of methodology on the comparison of cytotoxicity of total-etch and self-etch adhesive systems. <i>Journal of Dentistry</i> , 2022, 122, 104158.	1.7	0