

George J Dias

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

6,303
citations

304743

22
h-index

182427

51
g-index

54
all docs

54
docs citations

54
times ranked

6335
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium and its alloys as orthopedic biomaterials: A review. <i>Biomaterials</i> , 2006, 27, 1728-1734.	11.4	3,782
2	Calcium phosphate coatings on magnesium alloys for biomedical applications: A review. <i>Acta Biomaterialia</i> , 2012, 8, 20-30.	8.3	568
3	Substituted hydroxyapatites for bone regeneration: A review of current trends. , 2017, 105, 1285-1299.		245
4	Hydroxyapatite-polymer biocomposites for bone regeneration: A review of current trends. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2046-2057.	3.4	232
5	Keratin - Based materials for biomedical applications. <i>Bioactive Materials</i> , 2020, 5, 496-509.	15.6	187
6	Anterior loop of the mental nerve: a morphological and radiographic study. <i>Clinical Oral Implants Research</i> , 2003, 14, 464-471.	4.5	116
7	Bone-like matrix formation on magnesium and magnesium alloys. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 407-415.	3.6	110
8	Effect of Cross-Linking on Microstructure and Physical Performance of Casein Protein. <i>Biomacromolecules</i> , 2009, 10, 1681-1688.	5.4	82
9	Buffer-regulated biocorrosion of pure magnesium. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 283-291.	3.6	70
10	A Novel Manufacturing Route for Fabrication of Topologically-Ordered Porous Magnesium Scaffolds. <i>Advanced Engineering Materials</i> , 2011, 13, 872-881.	3.5	68
11	Synthesis of topologically-ordered open-cell porous magnesium. <i>Materials Letters</i> , 2010, 64, 2572-2574.	2.6	66
12	Current perspectives on corneal collagen crosslinking (CXL). <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 1363-1384.	1.9	64
13	Keratin-hydroxyapatite composites: Biocompatibility, osseointegration, and physical properties in an ovine model. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 1084-1095.	4.0	48
14	Oestrogen regulates bone resorption and cytokine production in the maxillae of female mice. <i>Archives of Oral Biology</i> , 2015, 60, 333-341.	1.8	34
15	Monetite and brushite coated magnesium: in vivo and in vitro models for degradation analysis. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 173-183.	3.6	33
16	Optimization of extraction parameters of antioxidant activity of extracts from New Zealand and Chinese <i>Asparagus officinalis</i> L root cultivars. <i>Industrial Crops and Products</i> , 2018, 119, 191-200.	5.2	33
17	Biocompatibility and osseointegration of reconstituted keratin in an ovine model. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 513-520.	4.0	31
18	Hydroxypropylmethyl cellulose (HPMC) crosslinked keratin/hydroxyapatite (HA) scaffold fabrication, characterization and in vitro biocompatibility assessment as a bone graft for alveolar bone regeneration. <i>Heliyon</i> , 2021, 7, e08294.	3.2	31

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19	A novel classification of bone graft materials. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1724-1749.	3.4	28
20	Fabrication and characterisation of novel ZnO/MWCNT duplex coating deposited on Mg alloy by PVD coupled with dip-coating techniques. Journal of Alloys and Compounds, 2017, 728, 159-168.	5.5	27
21	PROCESSING-PROPERTY RELATIONSHIPS OF AS-CAST MAGNESIUM FOAMS WITH CONTROLLABLE ARCHITECTURE. International Journal of Modern Physics B, 2009, 23, 1002-1008.	2.0	26
22	Identification of Six Phytochemical Compounds from Asparagus officinalis L. Root Cultivars from New Zealand and China Using UAE-SPE-UPLC-MS/MS: Effects of Extracts on H2O2-Induced Oxidative Stress. Nutrients, 2019, 11, 107.	4.1	26
23	Development and characterization of a xenograft material from New Zealand sourced bovine cancellous bone. , 2017, 105, 1054-1062.		25
24	The distribution of skeletal lesions in treponemal disease: is the lymphatic system responsible?. International Journal of Osteoarchaeology, 2002, 12, 178-188.	1.2	24
25	Three-dimensional evaluation of the relationship between jaw divergence and facial soft tissue dimensions. Angle Orthodontist, 2014, 84, 788-794.	2.4	22
26	Ancestry and BMI Influences on Facial Soft Tissue Depths for A Cohort of Chinese and Caucasoid Women in Dunedin, New Zealand. Journal of Forensic Sciences, 2015, 60, 1146-1154.	1.6	22
27	Advances in regeneration of dental pulp – a literature review. Journal of Investigative and Clinical Dentistry, 2015, 6, 85-98.	1.8	21
28	Lactation induces increases in the RANK/RANKL/OPG system in maxillary bone. Bone, 2018, 110, 160-169.	2.9	21
29	Effect of chitosan infiltration on hydroxyapatite scaffolds derived from New Zealand bovine cancellous bones for bone regeneration. International Journal of Biological Macromolecules, 2020, 160, 1009-1020.	7.5	20
30	Influence of food consistency on growth and morphology of the mandibular condyle. Clinical Anatomy, 2011, 24, 590-598.	2.7	19
31	ST2 regulates bone loss in a site-dependent and estrogen-dependent manner. Journal of Cellular Biochemistry, 2018, 119, 8511-8521.	2.6	18
32	Development and Characterization of a Biocomposite Material from Chitosan and New Zealand-Sourced Bovine-Derived Hydroxyapatite for Bone Regeneration. ACS Omega, 2020, 5, 16537-16546.	3.5	18
33	Structure-function characteristics of the biomaterials based on milk-derived proteins. International Journal of Biological Macromolecules, 2010, 46, 404-411.	7.5	17
34	Preparation, characterisation and in-vitro biocompatibility study of a bone graft developed from waste bovine teeth for bone regeneration. Materials Today Communications, 2020, 22, 100732.	1.9	17
35	Effect of Air-Polishing on Titanium Surfaces, Biofilm Removal, and Biocompatibility: A Pilot Study. BioMed Research International, 2015, 2015, 1-8.	1.9	14
36	Position Effect on Facial Soft Tissue Depths: A Sonographic Investigation. Journal of Forensic Sciences, 2016, 61, S60-70.	1.6	13

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37	Optimization of microwave-assisted extraction of bioactive compounds from New Zealand and Chinese <i>Asparagus officinalis</i> L. roots. <i>Journal of Food Science and Technology</i> , 2019, 56, 799-810.	2.8	13
38	Extraction of keratin from sheep wool fibres using aqueous ionic liquids assisted probe sonication technology. <i>Journal of Molecular Liquids</i> , 2022, 350, 118595.	4.9	13
39	Healing Response of Rat pulp Treated with an Injectable Keratin Hydrogel. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017, 15, 244-250.	1.6	12
40	Lyophilised Platelet-Rich Fibrin: Physical and Biological Characterisation. <i>Molecules</i> , 2021, 26, 7131.	3.8	12
41	Animal model with structural similarity to human corneal collagen fibrillar arrangement. <i>Anatomical Science International</i> , 2021, 96, 286-293.	1.0	10
42	Wool keratin – A novel dietary protein source: Nutritional value and toxicological assessment. <i>Food Chemistry</i> , 2022, 383, 132436.	8.2	10
43	Effect of solvents on polyphenol recovery and antioxidant activity of isolates of <i>Asparagus Officinalis</i> roots from Chinese and New Zealand cultivars. <i>International Journal of Food Science and Technology</i> , 2018, 53, 2369-2377.	2.7	9
44	Potential of Lyophilized Platelet Concentrates for Craniofacial Tissue Regenerative Therapies. <i>Molecules</i> , 2021, 26, 517.	3.8	8
45	The adaptive immune response to porous regenerated keratin as a bone graft substitute in an ovine model. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 100-106.	7.5	7
46	Vacuum-assisted infiltration of chitosan or polycaprolactone as a structural reinforcement for sintered cancellous bovine bone graft. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2581-2592.	4.0	6
47	The origin of the auriculotemporal nerve and its relationship to the middle meningeal artery. <i>Anatomical Science International</i> , 2015, 90, 216-221.	1.0	6
48	Development and Analysis of a Hydroxyapatite Supplemented Calcium Silicate Cement for Endodontic Treatment. <i>Materials</i> , 2022, 15, 1176.	2.9	6
49	The relationship between jugular foramen asymmetry and superior sagittal venous sinus laterality. <i>Anthropological Science</i> , 2014, 122, 115-120.	0.4	3
50	Morphological alterations of the cornea following crosslinking treatment (CXL). <i>Clinical Anatomy</i> , 2021, 34, 859-866.	2.7	3
51	A three-dimensional evaluation of Māori and New Zealand European faces. <i>Australian Orthodontic Journal</i> , 2014, 30, 169-75.	0.3	3
52	Effect of a cordless retraction paste on titanium surface: a topographic, chemical and biocompatibility evaluation. <i>Brazilian Oral Research</i> , 2013, 27, 211-217.	1.4	2
53	Orbital indices in a modern Sinhalese Sri Lankan population. <i>Anatomy</i> , 2016, 10, 205-210.	0.2	2
54	Identification of the posterior deep temporal nerve groove and canal, and its relationship to basicranial angle. <i>Anatomical Science International</i> , 2015, 90, 256-263.	1.0	0