

Eric Aguado

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

2,411
citations

28
h-index

49
g-index

69
ext. papers

2,538
ext. citations

4
avg, IF

4.17
L-index

#	Paper	IF	Citations
64	Microarchitecture of titanium cylinders obtained by additive manufacturing does not influence osseointegration in the sheep. <i>International Journal of Energy Production and Management</i> , 2021 , 8, 1-10	5.3	2
63	Legg Calvé-Perthes disease in the dog. <i>Morphologie</i> , 2021 , 105, 143-147	0.9	0
62	Bone grafted with β -TCP granules in the rabbit: A microcomputed tomographic, histologic, Raman microspectrometric, and Raman imaging study. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 2435-2446	2.3	0
61	Hyaluronic Acid Stimulates Osseointegration of β -TCP in Young and Old Ewes. <i>Calcified Tissue International</i> , 2019 , 105, 487-496	3.9	3
60	Polyhydroxyalkanoate (PHBV) fibers obtained by a wet spinning method: Good in vitro cytocompatibility but absence of in vivo biocompatibility when used as a bone graft. <i>Morphologie</i> , 2019 , 103, 94-102	0.9	6
59	Long-Term Quantitative Evaluation of Muscle and Bone Wasting Induced by Botulinum Toxin in Mice Using Microcomputed Tomography. <i>Calcified Tissue International</i> , 2018 , 102, 695-704	3.9	6
58	Microcomputed tomography (microCT) and histology of the mandibular canal in human and laboratory animals. <i>Morphologie</i> , 2018 , 102, 263-275	0.9	3
57	Hypodynamia Alters Bone Quality and Trabecular Microarchitecture. <i>Calcified Tissue International</i> , 2017 , 100, 332-340	3.9	14
56	Essential Requirements for Resorbable Bioceramic Development: Research, Manufacturing, and Preclinical Studies 2016 , 471-501		
55	Unwrapping microcomputed tomographic images for measuring cortical osteolytic lesions in the 5T2 murine model of myeloma treated by bisphosphonate. <i>Micron</i> , 2015 , 68, 107-114	2.3	2
54	Bone mass and bone quality are altered by hypoactivity in the chicken. <i>PLoS ONE</i> , 2015 , 10, e0116763	3.7	29
53	Essential Requirements for Resorbable Bioceramic Development: Research, Manufacturing, and Preclinical Studies 2015 , 1-31		
52	A case of polyostotic osteosarcoma with kidney metastases in a dog: histopathology and microcomputed tomographic analysis. <i>Morphologie</i> , 2014 , 98, 187-92	0.9	2
51	β -TCP granules mixed with reticulated hyaluronic acid induce an increase in bone apposition. <i>Biomedical Materials (Bristol)</i> , 2014 , 9, 015001	3.5	12
50	Identification of functional, short-lived isoform of linker for activation of T cells (LAT). <i>Genes and Immunity</i> , 2014 , 15, 449-56	4.4	4
49	Osteopromotion of Biphasic Calcium Phosphate granules in critical size defects after osteonecrosis induced by focal heating insults. <i>Irbm</i> , 2013 , 34, 337-341	4.8	6
48	In Vivo Comparative Study of Two Injectable/Moldable Calcium Phosphate Bioceramics. <i>Key Engineering Materials</i> , 2012 , 529-530, 291-295	0.4	2

47	Does milling one-piece titanium dental implants induce osteocyte and osteoclast changes?. <i>Morphologie</i> , 2011 , 95, 51-9	0.9	7
46	Osteoconductive properties of poly(96L/4D-lactide)/beta-tricalcium phosphate in long term animal model. <i>Biomaterials</i> , 2011 , 32, 3166-77	15.6	44
45	Improvement of Bone Ingrowth on PEEK Surface Implant. <i>Key Engineering Materials</i> , 2011 , 493-494, 795-799	0.4	2
44	Injectable Microparticles of Bioceramic for Bone Reconstruction Animal and Human Applications. HYDROS Concept. <i>Key Engineering Materials</i> , 2011 , 493-494, 714-717	0.4	
43	Mandibular segmental defect regenerated with macroporous biphasic calcium phosphate, collagen membrane, and bone marrow graft in dogs. <i>JAMA Otolaryngology</i> , 2010 , 136, 971-8		32
42	Radiation effects on bone healing and reconstruction: interpretation of the literature. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010 , 109, 173-84		87
41	Alveolar ridge augmentation in irradiated rabbit mandibles. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 1519-26	5.4	6
40	Developments in injectable multiphasic biomaterials. The performance of microporous biphasic calcium phosphate granules and hydrogels. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 855-61	4.5	49
39	Biofunctionality of MBCP ceramic granules (TricOs) plus fibrin sealant (Tisseel) versus MBCP ceramic granules as a filler of large periprosthetic bone defects: an investigative ovine study. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 1949-58	4.5	8
38	A non-steroidal anti-inflammatory drug (ketoprofen) does not delay beta-TCP bone graft healing. <i>Acta Biomaterialia</i> , 2010 , 6, 3310-7	10.8	33
37	Reconstruction of irradiated bone segmental defects with a biomaterial associating MBCP+(R), microstructured collagen membrane and total bone marrow grafting: an experimental study in rabbits. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 1160-9	5.4	19
36	Injectable biphasic calcium phosphate bioceramic: The HYDROS concept. <i>Bio-Medical Materials and Engineering</i> , 2009 , 19, 71-6	1	5
35	Periosteal Reconstruction Using New Porcine Microstructured Collagen Membrane and Calcium Phosphate Cement: A Dog Model. <i>Key Engineering Materials</i> , 2008 , 396-398, 257-260	0.4	
34	Bone growth in rapid prototyped porous titanium implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 85, 664-73	5.4	90
33	Effects of FGF-2 release from a hydrogel polymer on bone mass and microarchitecture. <i>Biomaterials</i> , 2008 , 29, 1593-600	15.6	47
32	Hybrid composites of calcium phosphate granules, fibrin glue, and bone marrow for skeletal repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 81, 399-408	5.4	22
31	Influence of calcium chloride and aprotinin in the in vivo biological performance of a composite combining biphasic calcium phosphate granules and fibrin sealant. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 1489-95	4.5	15
30	Osteogenic properties of calcium phosphate ceramics and fibrin glue based composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2007 , 18, 225-35	4.5	45

29	Multiphasic Biomaterials: A Concept for Bone Substitutes Developed in the "Pays de la Loire". <i>Key Engineering Materials</i> , 2007 , 361-363, -17--1	0.4	1
28	Repairing Segmental Defect with a Composite Associating Collagen Membrane and MBCP Combined with Total Bone Marrow Graft in Irradiated Bone Defect: an Experimental Study in Rabbit. <i>Key Engineering Materials</i> , 2007 , 361-363, 1245-1248	0.4	1
27	PL DLLA Calcium Phosphate Composite Combined with MBCP Gel for New Surgical Technologies: Resorbable Osteosynthesis and Bone Substitute. <i>Key Engineering Materials</i> , 2007 , 361-363, 571-574	0.4	1
26	Improvement of Radio Opacity of Injectable Bone Substitute MBCP Gel™ for Minimal Invasive Surgery MIS. <i>Key Engineering Materials</i> , 2007 , 361-363, 1277-1280	0.4	
25	Osteointegration of femoral stem prostheses with a bilayered calcium phosphate coating. <i>Biomaterials</i> , 2006 , 27, 1119-28	15.6	38
24	Calcium phosphate scaffold and bone marrow for bone reconstruction in irradiated area: a dog study. <i>Bone</i> , 2005 , 36, 323-30	4.7	55
23	In vivo bone regeneration with injectable calcium phosphate biomaterial: a three-dimensional micro-computed tomographic, biomechanical and SEM study. <i>Biomaterials</i> , 2005 , 26, 5444-53	15.6	154
22	Small-animal models for testing macroporous ceramic bone substitutes. <i>Journal of Biomedical Materials Research Part B</i> , 2005 , 72, 69-78		63
21	In vivo biological performance of composites combining micro-macroporous biphasic calcium phosphate granules and fibrin sealant. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2005 , 125, 153-9	3.6	37
20	MBCP biphasic calcium phosphate granules and tissucol fibrin sealant in rabbit femoral defects: the effect of fibrin on bone ingrowth. <i>Journal of Materials Science: Materials in Medicine</i> , 2005 , 16, 29-35	4.5	47
19	Minimal Invasive Surgery in Spine, New Development of Injectable Cereamic MBCP for Vertebral Body Bone Filling: In Vivo Experiment. <i>Key Engineering Materials</i> , 2005 , 284-286, 803-806	0.4	2
18	Some biomechanical and histologic characteristics of early-loaded locking pin and expandable implants: a pilot histologic canine study. <i>Clinical Implant Dentistry and Related Research</i> , 2004 , 6, 33-9	3.9	5
17	Bilayered calcium phosphate coating to promote osseointegration of a femoral stem prosthesis. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 219-27	4.5	11
16	Noninvasive bone replacement with a new injectable calcium phosphate biomaterial. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 66, 47-54		42
15	Calcium-deficient apatite: a first in vivo study concerning bone ingrowth. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 65, 402-8		63
14	In vitro characterization and in vivo properties of a carbonated apatite bone cement. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 60, 633-42		54
13	Enhanced bone integration of implants with increased surface roughness: a long term study in the sheep. <i>Journal of Dentistry</i> , 2002 , 30, 195-203	4.8	63
12	In vivo retrovirus-mediated gene transfer to the liver of dogs results in transient expression and induction of a cytotoxic immune response. <i>Human Gene Therapy</i> , 1999 , 10, 2917-25	4.8	31

11	Elaboration conditions influence physicochemical properties and in vivo bioactivity of macroporous biphasic calcium phosphate ceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 1999 , 10, 199-204	4.5	73
10	Kinetic study of bone ingrowth and ceramic resorption associated with the implantation of different injectable calcium-phosphate bone substitutes. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 47, 28-35		118
9	Biphasic calcium phosphate/hydrosoluble polymer composites: a new concept for bone and dental substitution biomaterials. <i>Bone</i> , 1999 , 25, 59S-61S	4.7	107
8	Short-term effects of mineral particle sizes on cellular degradation activity after implantation of injectable calcium phosphate biomaterials and the consequences for bone substitution. <i>Bone</i> , 1999 , 25, 71S-74S	4.7	66
7	A new injectable calcium phosphate biomaterial for immediate bone filling of extraction sockets: a preliminary study in dogs. <i>Journal of Periodontology</i> , 1999 , 70, 375-83	4.6	78
6	The early remodeling phases around titanium implants: a histomorphometric assessment of bone quality in a 3- and 6-month study in sheep. <i>International Journal of Oral and Maxillofacial Implants</i> , 1999 , 14, 189-96	2.8	40
5	Human growth hormone locally released in bone sites by calcium-phosphate biomaterial stimulates ceramic bone substitution without systemic effects: a rabbit study. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 739-48	6.3	46
4	Growth hormone-loaded macroporous calcium phosphate ceramic: in vitro biopharmaceutical characterization and preliminary in vivo study. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 40, 560-6		27
3	Ultrastructural and electron diffraction of the bone-ceramic interfacial zone in coral and biphasic CaP implants. <i>Calcified Tissue International</i> , 1998 , 62, 437-42	3.9	24
2	Macroporous biphasic calcium phosphate ceramics: influence of macropore diameter and macroporosity percentage on bone ingrowth. <i>Biomaterials</i> , 1998 , 19, 133-9	15.6	538
1	Influence of local environment on incorporation of ceramic for lumbar fusion. Comparison of laminar and intertransverse sites in a canine model. <i>Spine</i> , 1997 , 22, 1683-9	3.3	23