

# Eric Aguado

## List of Publications by Citations

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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	Macroporous biphasic calcium phosphate ceramics: influence of macropore diameter and macroporosity percentage on bone ingrowth. <i>Biomaterials</i> , <b>1998</b> , 19, 133-9	15.6	538
63	In vivo bone regeneration with injectable calcium phosphate biomaterial: a three-dimensional micro-computed tomographic, biomechanical and SEM study. <i>Biomaterials</i> , <b>2005</b> , 26, 5444-53	15.6	154
62	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> , <b>1999</b> , 47, 28-35		118
61	Biphasic calcium phosphate/hydrosoluble polymer composites: a new concept for bone and dental substitution biomaterials. <i>Bone</i> , <b>1999</b> , 25, 59S-61S	4.7	107
60	Bone growth in rapid prototyped porous titanium implants. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 85, 664-73	5.4	90
59	Radiation effects on bone healing and reconstruction: interpretation of the literature. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2010</b> , 109, 173-84		87
58	A new injectable calcium phosphate biomaterial for immediate bone filling of extraction sockets: a preliminary study in dogs. <i>Journal of Periodontology</i> , <b>1999</b> , 70, 375-83	4.6	78
57	Elaboration conditions influence physicochemical properties and in vivo bioactivity of macroporous biphasic calcium phosphate ceramics. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1999</b> , 10, 199-204	4.5	73
56	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> , <b>1999</b> , 25, 71S-74S	4.7	66
55	Calcium-deficient apatite: a first in vivo study concerning bone ingrowth. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 65, 402-8		63
54	Small-animal models for testing macroporous ceramic bone substitutes. <i>Journal of Biomedical Materials Research Part B</i> , <b>2005</b> , 72, 69-78		63
53	Enhanced bone integration of implants with increased surface roughness: a long term study in the sheep. <i>Journal of Dentistry</i> , <b>2002</b> , 30, 195-203	4.8	63
52	Calcium phosphate scaffold and bone marrow for bone reconstruction in irradiated area: a dog study. <i>Bone</i> , <b>2005</b> , 36, 323-30	4.7	55
51	In vitro characterization and in vivo properties of a carbonated apatite bone cement. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 60, 633-42		54
50	Developments in injectable multiphasic biomaterials. The performance of microporous biphasic calcium phosphate granules and hydrogels. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2010</b> , 21, 855-61	4.5	49
49	Effects of FGF-2 release from a hydrogel polymer on bone mass and microarchitecture. <i>Biomaterials</i> , <b>2008</b> , 29, 1593-600	15.6	47
48	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> , <b>2005</b> , 16, 29-35	4.5	47

47	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> , <b>1998</b> , 13, 739-48	6.3	46
46	Osteogenic properties of calcium phosphate ceramics and fibrin glue based composites. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2007</b> , 18, 225-35	4.5	45
45	Osteoconductive properties of poly(96L/4D-lactide)/beta-tricalcium phosphate in long term animal model. <i>Biomaterials</i> , <b>2011</b> , 32, 3166-77	15.6	44
44	Noninvasive bone replacement with a new injectable calcium phosphate biomaterial. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 66, 47-54		42
43	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> , <b>1999</b> , 14, 189-96	2.8	40
42	Osteointegration of femoral stem prostheses with a bilayered calcium phosphate coating. <i>Biomaterials</i> , <b>2006</b> , 27, 1119-28	15.6	38
41	In vivo biological performance of composites combining micro-macroporous biphasic calcium phosphate granules and fibrin sealant. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2005</b> , 125, 153-9	3.6	37
40	A non-steroidal anti-inflammatory drug (ketoprofen) does not delay beta-TCP bone graft healing. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 3310-7	10.8	33
39	Mandibular segmental defect regenerated with macroporous biphasic calcium phosphate, collagen membrane, and bone marrow graft in dogs. <i>JAMA Otolaryngology</i> , <b>2010</b> , 136, 971-8		32
38	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> , <b>1999</b> , 10, 2917-25	4.8	31
37	Bone mass and bone quality are altered by hypoactivity in the chicken. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116763	3.7	29
36	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> , <b>1998</b> , 40, 560-6		27
35	Ultrastructural and electron diffraction of the bone-ceramic interfacial zone in coral and biphasic CaP implants. <i>Calcified Tissue International</i> , <b>1998</b> , 62, 437-42	3.9	24
34	Influence of local environment on incorporation of ceramic for lumbar fusion. Comparison of laminar and intertransverse sites in a canine model. <i>Spine</i> , <b>1997</b> , 22, 1683-9	3.3	23
33	Hybrid composites of calcium phosphate granules, fibrin glue, and bone marrow for skeletal repair. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 81, 399-408	5.4	22
32	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> , <b>2009</b> , 91, 1160-9	5.4	19
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> , <b>2007</b> , 18, 1489-95	4.5	15
30	Hypodynamia Alters Bone Quality and Trabecular Microarchitecture. <i>Calcified Tissue International</i> , <b>2017</b> , 100, 332-340	3.9	14

29	βTCP granules mixed with reticulated hyaluronic acid induce an increase in bone apposition. <i>Biomedical Materials (Bristol)</i> , <b>2014</b> , 9, 015001	3.5	12
28	Bilayered calcium phosphate coating to promote osseointegration of a femoral stem prosthesis. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2003</b> , 14, 219-27	4.5	11
27	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> , <b>2010</b> , 21, 1949-58	4.5	8
26	Does milling one-piece titanium dental implants induce osteocyte and osteoclast changes?. <i>Morphologie</i> , <b>2011</b> , 95, 51-9	0.9	7
25	Long-Term Quantitative Evaluation of Muscle and Bone Wasting Induced by Botulinum Toxin in Mice Using Microcomputed Tomography. <i>Calcified Tissue International</i> , <b>2018</b> , 102, 695-704	3.9	6
24	Osteopromotion of Biphasic Calcium Phosphate granules in critical size defects after osteonecrosis induced by focal heating insults. <i>Irbm</i> , <b>2013</b> , 34, 337-341	4.8	6
23	Alveolar ridge augmentation in irradiated rabbit mandibles. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 1519-26	5.4	6
22	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> , <b>2019</b> , 103, 94-102	0.9	6
21	Injectable biphasic calcium phosphate bioceramic: The HYDROS concept. <i>Bio-Medical Materials and Engineering</i> , <b>2009</b> , 19, 71-6	1	5
20	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> , <b>2004</b> , 6, 33-9	3.9	5
19	Identification of functional, short-lived isoform of linker for activation of T cells (LAT). <i>Genes and Immunity</i> , <b>2014</b> , 15, 449-56	4.4	4
18	Hyaluronic Acid Stimulates Osseointegration of βTCP in Young and Old Ewes. <i>Calcified Tissue International</i> , <b>2019</b> , 105, 487-496	3.9	3
17	Microcomputed tomography (microCT) and histology of the mandibular canal in human and laboratory animals. <i>Morphologie</i> , <b>2018</b> , 102, 263-275	0.9	3
16	Unwrapping microcomputed tomographic images for measuring cortical osteolytic lesions in the 5T2 murine model of myeloma treated by bisphosphonate. <i>Micron</i> , <b>2015</b> , 68, 107-114	2.3	2
15	A case of polyostotic osteosarcoma with kidney metastases in a dog: histopathology and microcomputed tomographic analysis. <i>Morphologie</i> , <b>2014</b> , 98, 187-92	0.9	2
14	Improvement of Bone Ingrowth on PEEK Surface Implant. <i>Key Engineering Materials</i> , <b>2011</b> , 493-494, 795-799		2
13	In Vivo Comparative Study of Two Injectable/Moldable Calcium Phosphate Bioceramics. <i>Key Engineering Materials</i> , <b>2012</b> , 529-530, 291-295	0.4	2
12	Minimal Invasive Surgery in Spine, New Development of Injectable Ceramic MBCP for Vertebral Body Bone Filling: In Vivo Experiment. <i>Key Engineering Materials</i> , <b>2005</b> , 284-286, 803-806	0.4	2

11	Microarchitecture of titanium cylinders obtained by additive manufacturing does not influence osseointegration in the sheep. <i>International Journal of Energy Production and Management</i> , <b>2021</b> , 8, 1-10	5.3	2
10	Multiphasic Biomaterials: A Concept for Bone Substitutes Developed in the "Pays de la Loire". <i>Key Engineering Materials</i> , <b>2007</b> , 361-363, 1-17	0.4	1
9	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> , <b>2007</b> , 361-363, 1245-1248	0.4	1
8	PL DLLA Calcium Phosphate Composite Combined with MBCP Gel for New Surgical Technologies: Resorbable Osteosynthesis and Bone Substitute. <i>Key Engineering Materials</i> , <b>2007</b> , 361-363, 571-574	0.4	1
7	Bone grafted with $\beta$ TCP granules in the rabbit: A microcomputed tomographic, histologic, Raman microspectrometric, and Raman imaging study. <i>Journal of Raman Spectroscopy</i> , <b>2020</b> , 51, 2435-2446	2.3	0
6	Legg Calvé Perthes disease in the dog. <i>Morphologie</i> , <b>2021</b> , 105, 143-147	0.9	0
5	Essential Requirements for Resorbable Bioceramic Development: Research, Manufacturing, and Preclinical Studies <b>2016</b> , 471-501		
4	Injectable Microparticles of Bioceramic for Bone Reconstruction Animal and Human Applications. HYDROSIL Concept. <i>Key Engineering Materials</i> , <b>2011</b> , 493-494, 714-717	0.4	
3	Periosteal Reconstruction Using New Porcine Microstructured Collagen Membrane and Calcium Phosphate Cement: A Dog Model. <i>Key Engineering Materials</i> , <b>2008</b> , 396-398, 257-260	0.4	
2	Improvement of Radio Opacity of Injectable Bone Substitute MBCP Gel <sup>TM</sup> for Minimal Invasive Surgery MIS. <i>Key Engineering Materials</i> , <b>2007</b> , 361-363, 1277-1280	0.4	
1	Essential Requirements for Resorbable Bioceramic Development: Research, Manufacturing, and Preclinical Studies <b>2015</b> , 1-31		