

Fernando Muñoz

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

2,042
citations

218677

26
h-index

289244

40
g-index

100
all docs

100
docs citations

100
times ranked

2735
citing authors

#	ARTICLE	IF	CITATIONS
1	Ridge alterations following immediate implant placement in the dog: flap <i>versus</i> flapless surgery. <i>Journal of Clinical Periodontology</i> , 2008, 35, 640-648.	4.9	122
2	In vivo evaluation of an injectable Macroporous Calcium Phosphate Cement. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 353-361.	3.6	70
3	The Critical Peri-implant Buccal Bone Wall Thickness Revisited: An Experimental Study in the Beagle Dog. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019, 34, 1328-1336.	1.4	68
4	Melatonin stimulates osteointegration of dental implants. <i>Journal of Pineal Research</i> , 2008, 45, 174-179.	7.4	64
5	Bone modelling at fresh extraction sockets: immediate implant placement <i>versus</i> spontaneous healing. An experimental study in the beagle dog. <i>Journal of Clinical Periodontology</i> , 2012, 39, 91-97.	4.9	61
6	Periodontal regeneration following implantation of cementum and periodontal ligament-derived cells. <i>Journal of Periodontal Research</i> , 2012, 47, 33-44.	2.7	58
7	Guided bone regeneration of peri-implant defects with particulated and block xenogenic bone substitutes. <i>Clinical Oral Implants Research</i> , 2016, 27, 567-576.	4.5	58
8	Early healing of the alveolar process after tooth extraction: an experimental study in the beagle dog. <i>Journal of Clinical Periodontology</i> , 2013, 40, 638-644.	4.9	56
9	Early bone apposition to hydrophilic and hydrophobic titanium implant surfaces: a histologic and histomorphometric study in minipigs. <i>Clinical Oral Implants Research</i> , 2014, 25, 1378-1385.	4.5	56
10	Mapping the use of research to support strategies tackling maternal and child health inequities: evidence from six countries in Africa and Latin America. <i>Health Research Policy and Systems</i> , 2016, 14, 1.	2.8	56
11	A Tissue Engineering Approach for Periodontal Regeneration Based on a Biodegradable Double-Layer Scaffold and Adipose-Derived Stem Cells. <i>Tissue Engineering - Part A</i> , 2014, 20, 2483-2492.	3.1	51
12	Influence on early osseointegration of dental implants installed with two different drilling protocols: a histomorphometric study in rabbit. <i>Clinical Oral Implants Research</i> , 2011, 22, 92-99.	4.5	46
13	Clinical and histological healing of a new collagen matrix in combination with the coronally advanced flap for the treatment of Miller class-I recession defects: an experimental study in the minipig. <i>Journal of Clinical Periodontology</i> , 2011, 38, 847-855.	4.9	46
14	Comparison between Sandblasted Acid-Etched and Oxidized Titanium Dental Implants: In Vivo Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3267.	4.1	46
15	Histological assessment of hard and soft tissues surrounding a novel ceramic implant: a pilot study in the minipig. <i>Journal of Clinical Periodontology</i> , 2016, 43, 538-546.	4.9	42
16	In vivo behaviour of two different biphasic ceramic implanted in mandibular bone of dogs. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1565-1573.	3.6	41
17	Topical Application of Melatonin and Growth Hormone Accelerates Bone Healing around Dental Implants in Dogs. <i>Clinical Implant Dentistry and Related Research</i> , 2012, 14, 226-235.	3.7	40
18	Tissue-engineered constructs based on SPCL scaffolds cultured with goat marrow cells: functionality in femoral defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, 41-49.	2.7	38

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19	Melatonin: A Review of Its Potential Functions and Effects on Dental Diseases. International Journal of Molecular Sciences, 2017, 18, 865.	4.1	36
20	Quantitative analysis of the resorption and osteoconduction of a macroporous calcium phosphate bone cement for the repair of a critical size defect in the femoral condyle. Veterinary Journal, 2009, 179, 264-272.	1.7	34
21	Histological analysis of loaded zirconia and titanium dental implants: an experimental study in the dog mandible. Journal of Clinical Periodontology, 2015, 42, 967-975.	4.9	34
22	A new generation of bio-derived ceramic materials for medical applications. Journal of Biomedical Materials Research - Part A, 2009, 88A, 807-813.	4.0	32
23	Marginal bone and soft tissue behavior following platform switching abutment connection/disconnection a dog model study. Clinical Oral Implants Research, 2015, 26, 983-991.	4.5	32
24	Evaluation of a starch-based double layer scaffold for bone regeneration in a rat model. Journal of Orthopaedic Research, 2014, 32, 904-909.	2.3	30
25	Ridge alterations following flapless immediate implant placement with or without immediate loading. Part II: a histometric study in the Beagle dog. Journal of Clinical Periodontology, 2011, 38, 762-770.	4.9	27
26	Bisphosphonates as disease-modifying drugs in osteoarthritis preclinical studies: a systematic review from 2000 to 2020. Arthritis Research and Therapy, 2021, 23, 60.	3.5	27
27	Canine Distemper in a Genet (<i>Gennetta gennetta</i>), Associated with Endogenous Lipid Pneumonia. Journal of Comparative Pathology, 2001, 124, 207-211.	0.4	26
28	<i>Retracted:</i> Peri-implant bone reactions to immediate implants placed at different levels in relation to crestal bone. Part II: a pilot study in dogs. Clinical Oral Implants Research, 2012, 23, 236-244.	4.5	26
29	Effects of diacerein on cartilage and subchondral bone in early stages of osteoarthritis in a rabbit model. BMC Veterinary Research, 2015, 11, 143.	1.9	26
30	Biological width following immediate implant placement in the dog: flap vs. flapless surgery. Clinical Oral Implants Research, 2010, 21, 624-631.	4.5	25
31	In vivo evaluation of titanium implants coated with bioactive glass by pulsed laser deposition. Journal of Materials Science: Materials in Medicine, 2007, 18, 2371-2376.	3.6	23
32	<i>Retracted:</i> Peri-implant bone reactions to immediate implants placed at different levels in relation to crestal bone. Part I: a pilot study in dogs. Clinical Oral Implants Research, 2012, 23, 228-235.	4.5	23
33	Hard and soft tissue integration of immediate and delayed implants with a modified coronal macrodesign: Histological, micro-CT and volumetric soft tissue changes from a pre-clinical in vivo study. Journal of Clinical Periodontology, 2017, 44, 842-853.	4.9	23
34	Rabbit as model for osteoporosis research. Journal of Bone and Mineral Metabolism, 2019, 37, 573-583.	2.7	23
35	Comparison of various SYSADOA for the osteoarthritis treatment: an experimental study in rabbits. BMC Musculoskeletal Disorders, 2015, 16, 120.	1.9	21
36	Fresh extraction socket: spontaneous healing vs. immediate implant placement. Clinical Oral Implants Research, 2015, 26, 1250-1255.	4.5	21

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37	Mechanical and chemical implant decontamination in surgical peri-implantitis treatment: preclinical in vivo study. <i>Journal of Clinical Periodontology</i> , 2016, 43, 694-701.	4.9	21
38	Immediate implants at fresh extraction sockets: an experimental study in the beagle dog comparing four different implant systems. Soft tissue findings. <i>Journal of Clinical Periodontology</i> , 2010, 37, 769-776.	4.9	20
39	Impact of immediate loading on early bone healing at two-piece implants placed in fresh extraction sockets: an experimental study in the beagle dog. <i>Journal of Clinical Periodontology</i> , 2013, 40, 421-429.	4.9	20
40	Guided bone regeneration at zirconia and titanium dental implants: a pilot histological investigation. <i>Clinical Oral Implants Research</i> , 2017, 28, 1592-1599.	4.5	19
41	Coating doxycycline on titanium-based implants: Two in vivo studies. <i>Bioactive Materials</i> , 2020, 5, 787-797.	15.6	19
42	17 β -Estradiol Promotes Cementoblast Proliferation and Cementum Formation in Experimental Periodontitis. <i>Journal of Periodontology</i> , 2010, 81, 1064-1074.	3.4	18
43	Biomechanical and Bone Histomorphological Evaluation of Two Surfaces on Tapered and Cylindrical Root Form Implants: An Experimental Study in Dogs. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 799-808.	3.7	18
44	Glucosamine and Chondroitin Sulfate: Is There Any Scientific Evidence for Their Effectiveness as Disease-Modifying Drugs in Knee Osteoarthritis Preclinical Studies? A Systematic Review from 2000 to 2021. <i>Animals</i> , 2021, 11, 1608.	2.3	18
45	Osseointegration of Sandblasted and Acid-Etched Implant Surfaces. A Histological and Histomorphometric Study in the Rabbit. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8507.	4.1	18
46	Effect of ridge preservation for early implant placement "is there a need to remove the biomaterial?". <i>Journal of Clinical Periodontology</i> , 2017, 44, 556-565.	4.9	17
47	Osseointegration of Grit-Blasted and Bioactive Titanium Implants: Histomorphometry in Minipigs. <i>Key Engineering Materials</i> , 2003, 254-256, 737-740.	0.4	16
48	Visceral leishmaniasis with cardiac involvement in a dog: a case report. <i>Acta Veterinaria Scandinavica</i> , 2009, 51, 20.	1.6	16
49	Possible mechanism of structural transformations induced by StAsp-PSI in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 339-347.	2.6	16
50	Soft tissue histomorphology at implants with a transmucosal modified surface. A study in minipigs. <i>Clinical Oral Implants Research</i> , 2015, 26, 996-1005.	4.5	16
51	Peri-implant soft tissue analyses comparing Ti and ZrO ₂ abutments: an animal study on beagle dogs. <i>Clinical Oral Implants Research</i> , 2016, 27, 1221-1226.	4.5	16
52	Recombinant human BMP9 (RhBMP9) in comparison with rhBMP2 for ridge augmentation following tooth extraction: An experimental study in the Beagle dog. <i>Clinical Oral Implants Research</i> , 2018, 29, 1050-1059.	4.5	15
53	Diagnostic accuracy of the implant stability quotient in monitoring progressive peri-implant bone loss: An experimental study in dogs. <i>Clinical Oral Implants Research</i> , 2018, 29, 1016-1024.	4.5	15
54	Flapless immediate implant placement with or without immediate loading: a histomorphometric study in beagle dog. <i>Journal of Clinical Periodontology</i> , 2010, 37, 937-942.	4.9	14

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55	Effects of glucosamine and risedronate alone or in combination in an experimental rabbit model of osteoarthritis. <i>BMC Veterinary Research</i> , 2014, 10, 97.	1.9	14
56	Cholesterol and membrane phospholipid compositions modulate the leakage capacity of the swaposin domain from a potato aspartic protease (StAsp-PSI). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 1038-1044.	2.4	13
57	A novel methodological approach using superimposed Micro-CT and STL images to analyze hard and soft tissue volume in immediate and delayed implants with different cervical designs. <i>Clinical Oral Implants Research</i> , 2018, 29, 986-995.	4.5	13
58	Soft tissue dimensions in flapless immediate implants with and without immediate loading: an experimental study in the beagle dog. <i>Clinical Oral Implants Research</i> , 2012, 23, 70-75.	4.5	12
59	Influence of implant neck surface and placement depth on crestal bone changes and soft tissue dimensions around platform-switched implants: A histologic study in dogs. <i>Journal of Clinical Periodontology</i> , 2018, 45, 869-883.	4.9	12
60	Evaluation of bone turnover markers and serum minerals variations for predicting fracture healing versus non-union processes in adult sheep as a model for orthopedic research. <i>Injury</i> , 2017, 48, 1768-1775.	1.7	11
61	The adjunctive effect of rhBMP-2 on the regeneration of peri-implant bone defects after experimental peri-implantitis. <i>Clinical Oral Implants Research</i> , 2019, 30, 1209-1219.	4.5	11
62	Vertical and horizontal ridge alterations after tooth extraction in the dog: flap vs. flapless surgery. <i>Clinical Oral Implants Research</i> , 2011, 22, 1255-1258.	4.5	9
63	Marginal bone level alterations of loaded zirconia and titanium dental implants: an experimental study in the dog mandible. <i>Clinical Oral Implants Research</i> , 2016, 27, 412-420.	4.5	9
64	Volumetric changes following ridge preservation or spontaneous healing and early implant placement with simultaneous guided bone regeneration. <i>Journal of Clinical Periodontology</i> , 2018, 45, 484-494.	4.9	9
65	Systematic Review and Quality Evaluation Using ARRIVE 2.0 Guidelines on Animal Models Used for Periosteal Distraction Osteogenesis. <i>Animals</i> , 2021, 11, 1233.	2.3	8
66	Regeneration of keratinized tissue around teeth and implants following coronal repositioning of alveolar mucosa with and without a connective tissue graft: An experimental study in dogs. <i>Journal of Clinical Periodontology</i> , 2022, 49, 1133-1144.	4.9	8
67	Bone healing around titanium implants in two rat colitis models. <i>Clinical Oral Implants Research</i> , 2013, 24, 224-229.	4.5	7
68	Periodontal Tissue Engineering Strategies Based on Nonoral Stem Cells. <i>Anatomical Record</i> , 2014, 297, 6-15.	1.4	7
69	Guided bone regeneration using beta-tricalcium phosphate with and without fibronectin: An experimental study in rats. <i>Clinical Oral Implants Research</i> , 2018, 29, 1038-1049.	4.5	7
70	Evaluation of a new tricalcium phosphate for guided bone regeneration: an experimental study in the beagle dog. <i>Odontology / the Society of the Nippon Dental University</i> , 2019, 107, 209-218.	1.9	6
71	No Effect of Long-Term Risedronate Use on Cartilage and Subchondral Bone in an Experimental Rabbit Model of Osteoarthritis. <i>Frontiers in Veterinary Science</i> , 2020, 7, 576212.	2.2	6
72	Impact of simultaneous placement of implant and block bone graft substitute: an in vivo peri-implant defect model. <i>Biomaterials Research</i> , 2021, 25, 43.	6.9	6

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73	Holding Power of Three Different Pin Designs in the Femur and Ulna of the Common Buzzard (<i>Buteo buteo</i>). <i>Journal of Zoo and Wildlife Medicine</i> , 2011, 42, 552-557.	0.6	5
74	Differences in the progression of experimental peri-implantitis depending on the implant to abutment connection. <i>Clinical Oral Investigations</i> , 2021, 25, 3577-3587.	3.0	5
75	Periodontal response to a tricalcium silicate material or resin composite placed in close contact to the supracrestal tissue attachment: a histomorphometric comparative study. <i>Clinical Oral Investigations</i> , 2021, 25, 5743-5753.	3.0	5
76	Hemangiomas Associated with Osteolysis of the Mandible in a Dog Resembling Gorham-Stout Disease in Humans. <i>Veterinary Pathology</i> , 2005, 42, 489-491.	1.7	4
77	Vertical Osseodistraction with a New Intraosseous Alveolar Distractor Prototype for Dental Implant Rehabilitation: A Pilot Study in Dogs. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, 838-848.	1.4	3
78	Effects of local application of alendronate on early healing of extraction socket in dogs. <i>Clinical Oral Investigations</i> , 2020, 24, 1579-1589.	3.0	3
79	Human Histologic Evaluations of Implants with a Unique Triangular Neck Design. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2020, 40, 657-664.	1.0	3
80	Case Report: First Evidence of a Benign Bone Cyst in an Adult Teckel Dog Treated With Shark Teeth-Derived Bioapatites. <i>Frontiers in Veterinary Science</i> , 2021, 8, 626992.	2.2	3
81	Immediate one-piece zirconia implants with/without xenograft in the buccal gap: A 6-month preclinical study. <i>Clinical Oral Implants Research</i> , 2021, 32, 629-640.	4.5	3
82	De novo bone formation around implants with a surface based on a monolayer of multi-phosphonate molecules. An experimental in vivo investigation. <i>Clinical Oral Implants Research</i> , 2021, 32, 1085-1096.	4.5	3
83	The Impact of Admission Serum Creatinine on Major Adverse Clinical Events in ST-Segment Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention. <i>Cardiology Research</i> , 2018, 9, 94-98.	1.1	3
84	Impact of immediate loading on early soft tissue healing at two-piece implants placed in fresh extraction sockets: an experimental study in the beagle dog. <i>Clinical Oral Implants Research</i> , 2014, 25, 919-925.	4.5	2
85	Influence of implantation side on the integration of dental implants. <i>International Journal of Stomatology & Occlusion Medicine</i> , 2015, 8, 41-46.	0.1	2
86	Application of Shark Teeth-Derived Bioapatites as a Bone Substitute in Veterinary Orthopedics. Preliminary Clinical Trial in Dogs and Cats. <i>Frontiers in Veterinary Science</i> , 2020, 7, 574017.	2.2	2
87	Preclinical Evaluation of an Innovative Bone Graft of Marine Origin for the Treatment of Critical-Sized Bone Defects in an Animal Model. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2116.	2.5	2
88	Short time guided bone regeneration using beta-tricalcium phosphate with and without fibronectin. An experimental study in rats. <i>Medicina Oral, Patología Oral Y Cirugía Bucal</i> , 2020, 25, e532-e540.	1.7	2
89	Evaluation of in vitro cytotoxic activity of mono-PEGylated StAP3 (<i>Solanum tuberosum</i> aspartic) Tj ETQq1 1 0.784314 rgBT /Overlock	4.4	1
90	Does the Animal Model Influence in Vertical Alveolar Distraction? A Systematic Review of the Literature. <i>Animals</i> , 2020, 10, 2347.	2.3	1

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91	Influence on Bone-to-Implant Contact of Non-Thermal Low-Pressure Argon Plasma: An Experimental Study in Rats. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3069.	2.5	1
92	Histomorphometric Quantitative Evaluation of Long-Term Risedronate Use in a Knee Osteoarthritis Rabbit Model. <i>Frontiers in Veterinary Science</i> , 2021, 8, 669815.	2.2	1
93	Reliability on animal models. , 2020, , 249-277.		0
94	Hard tissue volumetric and soft tissue contour linear changes at implants with different surface characteristics after experimentally induced peri-implantitis: an experimental in vivo investigation. <i>Clinical Oral Investigations</i> , 2021, 25, 3905-3918.	3.0	0
95	Immediate and Delayed Postoperative Morbidity in Pituitary Adenomas. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S1-S188.	0.8	0