

Rafael A Delgado-Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,309
citations

186265

28
h-index

265206

42
g-index

105
all docs

105
docs citations

105
times ranked

2817
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Causes of Titanium Particle and Ion Release in Implant Dentistry: A Systematic Review. International Journal of Molecular Sciences, 2018, 19, 3585.	4.1	142
2	Denosumab and osteonecrosis of the jaw. A systematic analysis of events reported in clinical trials. Clinical Oral Implants Research, 2016, 27, 367-375.	4.5	121
3	Femtosecond laser microstructuring of zirconia dental implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 96B, 91-100.	3.4	93
4	Concepts for prevention of complications in implant therapy. Periodontology 2000, 2019, 81, 7-17.	13.4	83
5	Peri-implant Diseases. Dental Clinics of North America, 2015, 59, 157-178.	1.8	79
6	Peri-implant evaluation of immediately loaded implants placed in esthetic zone in patients with diabetes mellitus type 2: a two-year study. Clinical Oral Implants Research, 2016, 27, 156-161.	4.5	63
7	Critical size defects for bone regeneration experiments in rabbit calvariae: systematic review and quality evaluation using ARRIVE guidelines. Clinical Oral Implants Research, 2015, 26, 915-930.	4.5	54
8	Evaluation of Primary Stability of Self-Tapping and Non-Self-Tapping Dental Implants. A 12-Week Clinical Study. Clinical Implant Dentistry and Related Research, 2013, 15, 341-349.	3.7	52
9	Evaluation of the Success Criteria for Zirconia Dental Implants: A Four-Year Clinical and Radiological Study. International Journal of Dentistry, 2013, 2013, 1-7.	1.5	49
10	Comparison of three hydroxyapatite/tricalcium phosphate/collagen ceramic scaffolds: An <i>in vivo</i> study. Journal of Biomedical Materials Research - Part A, 2014, 102, 1037-1046.	4.0	49
11	Melatonin stimulates the growth of new bone around implants in the tibia of rabbits. Journal of Pineal Research, 2010, 49, 356-363.	7.4	46
12	Dental implant surgery in patients in treatment with the anticoagulant oral rivaroxaban. Clinical Oral Implants Research, 2016, 27, 730-733.	4.5	46
13	Immediate maxillary restoration of single-tooth implants using platform switching for crestal bone preservation: a 12-month study. International Journal of Oral and Maxillofacial Implants, 2009, 24, 275-81.	1.4	46
14	Two-Center Prospective, Randomized, Clinical, and Radiographic Study Comparing Osteotome Sinus Floor Elevation with or without Bone Graft and Simultaneous Implant Placement. Clinical Implant Dentistry and Related Research, 2016, 18, 873-882.	3.7	40
15	Human fetal osteoblast behavior on zirconia dental implants and zirconia disks with microstructured surfaces. An experimental <i>in vitro</i> study. Clinical Oral Implants Research, 2016, 27, e144-e153.	4.5	37
16	Influence of the implant diameter and bone quality on the primary stability of porous tantalum trabecular metal dental implants: an <i>in vitro</i> biomechanical study. Clinical Oral Implants Research, 2018, 29, 649-655.	4.5	37
17	THE EFFICACY OF A TOPICAL SIALOGOGUE SPRAY CONTAINING 1% MALIC ACID IN PATIENTS WITH ANTIDEPRESSANT-INDUCED DRY MOUTH: A DOUBLE-BLIND, RANDOMIZED CLINICAL TRIAL. Depression and Anxiety, 2013, 30, 137-142.	4.1	35
18	Effects of occlusal forces on the peri-implant bone interface stability. Periodontology 2000, 2019, 81, 179-193.	13.4	35

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19	<i>Retracted:</i> Histomorphometric and mineral degradation study of Ossceram [®] : a novel biphasic β -tricalcium phosphate, in critical size defects in rabbits. <i>Clinical Oral Implants Research</i> , 2012, 23, 667-675.	4.5	34
20	Dental implant surgery in patients in treatment by dabigatran. <i>Clinical Oral Implants Research</i> , 2018, 29, 644-648.	4.5	33
21	<i>Retracted:</i> Bone response to hydroxyapatites with open porosity of animal origin (porcine) Tj ETQq1 1 0.784314 rgBT /Overload histomorphometric study. <i>Clinical Oral Implants Research</i> , 2011, 22, 767-773.	4.5	32
22	Zirconia with laser-modified microgrooved surface vs. titanium implants covered with melatonin stimulates bone formation. Experimental study in tibia rabbits. <i>Clinical Oral Implants Research</i> , 2015, 26, 1421-1429.	4.5	32
23	New block graft of β -TCP with silicon in critical size defects in rabbits: Chemical characterization, histological, histomorphometric and micro-CT study. <i>Ceramics International</i> , 2012, 38, 1563-1570.	4.8	31
24	Histological and Histomorphometric Evaluation of Zirconia Dental Implants Modified by Femtosecond Laser versus Titanium Implants: An Experimental Study in Fox Hound Dogs. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 525-532.	3.7	30
25	Marginal bone loss evaluation around immediate non-occlusal microthreaded implants placed in fresh extraction sockets in the maxilla: a 3-year study. <i>Clinical Oral Implants Research</i> , 2015, 26, 761-767.	4.5	30
26	Peri-implant bone organization surrounding zirconia microgrooved surfaces circularly polarized light and confocal laser scanning microscopy study. <i>Clinical Oral Implants Research</i> , 2015, 26, 1328-1337.	4.5	27
27	Histologic and Histomorphometric Behavior of Microgrooved Zirconia Dental Implants with Immediate Loading. <i>Clinical Implant Dentistry and Related Research</i> , 2014, 16, 856-872.	3.7	25
28	Clinical and radiographic evaluation of osseointegrated expanded platform implants related to crestal bone loss: a 10-year study. <i>Clinical Oral Implants Research</i> , 2014, 25, 352-358.	4.5	24
29	<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. <i>Clinical Oral Implants Research</i> , 2012, 23, 228-235.	4.5	23
30	Ultrastructural study by backscattered electron imaging and elemental microanalysis of bone-biomaterial interface and mineral degradation of porcine xenografts used in maxillary sinus floor elevation. <i>Clinical Oral Implants Research</i> , 2013, 24, 523-530.	4.5	23
31	Novel hybrid drilling protocol: evaluation for the implant healing – thermal changes, crestal bone loss, and bone-implant contact. <i>Clinical Oral Implants Research</i> , 2015, 26, 753-760.	4.5	23
32	<i>Retracted:</i> New bone formation in bone defects after melatonin and porcine bone grafts: experimental study in rabbits. <i>Clinical Oral Implants Research</i> , 2015, 26, 399-406.	4.5	23
33	Under-Drilling versus Hybrid Osseodensification Technique: Differences in Implant Primary Stability and Bone Density of the Implant Bed Walls. <i>Materials</i> , 2020, 13, 390.	2.9	23
34	Impact of Layer Thickness and Storage Time on the Properties of 3D-Printed Dental Dies. <i>Materials</i> , 2021, 14, 509.	2.9	23
35	Titanium Wear of Dental Implants from Placement, under Loading and Maintenance Protocols. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1067.	4.1	23
36	Effects of growth hormone on initial bone formation around dental implants: a dog study. <i>Clinical Oral Implants Research</i> , 2011, 22, 587-593.	4.5	21

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37	Biomechanical and histological evaluation of four different titanium implant surface modifications: an experimental study in the rabbit tibia. <i>Clinical Oral Investigations</i> , 2014, 18, 1495-1505.	3.0	20
38	<i>Retracted:</i> Influence of Biphasic β -TCP with and without the use of collagen membranes on bone healing of surgically critical size defects. A radiological, histological, and histomorphometric study. <i>Clinical Oral Implants Research</i> , 2014, 25, 1228-1238.	4.5	20
39	Slow drilling speeds for single-drill implant bed preparation. Experimental in vitro study. <i>Clinical Oral Investigations</i> , 2018, 22, 349-359.	3.0	19
40	Systematic Review of the Long-Term Effects of Transgender Hormone Therapy on Bone Markers and Bone Mineral Density and Their Potential Effects in Implant Therapy. <i>Journal of Clinical Medicine</i> , 2019, 8, 784.	2.4	19
41	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
42	Porous titanium granules in critical size defects of rabbit tibia with or without membranes. <i>International Journal of Oral Science</i> , 2014, 6, 105-110.	8.6	18
43	Temperature and time variations during osteotomies performed with different piezosurgical devices: an <i>in vitro</i> study. <i>Clinical Oral Implants Research</i> , 2016, 27, 1137-1143.	4.5	17
44	Role of mechanical compression on bone regeneration around a particulate bone graft material: an experimental study in rabbit calvaria. <i>Clinical Oral Implants Research</i> , 2018, 29, 612-619.	4.5	17
45	Biological effects of compressive forces exerted on particulate bone grafts during socket preservation: animal study. <i>Clinical Oral Implants Research</i> , 2018, 29, 792-801.	4.5	17
46	Osteogenic potential of platelet-rich plasma in dental stem-cell cultures. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2017, 55, 697-702.	0.8	16
47	The Use of Tooth Particles as a Biomaterial in Post-Extraction Sockets. Experimental Study in Dogs. <i>Dentistry Journal</i> , 2018, 6, 12.	2.3	16
48	Socket-shield technique: the influence of the length of the remaining buccal segment of healthy tooth structure on peri-implant bone and socket preservation. A study in dogs. <i>Annals of Anatomy</i> , 2019, 221, 84-92.	1.9	16
49	Biphasic β -TCP mixed with silicon increases bone formation in critical site defects in rabbit calvaria. <i>Clinical Oral Implants Research</i> , 2015, 26, 891-897.	4.5	15
50	Bone grafting materials in critical defects in rabbit calvariae. A systematic review and quality evaluation using <i>ARRIVE</i> guidelines. <i>Clinical Oral Implants Research</i> , 2018, 29, 620-634.	4.5	15
51	Effect of Initiators on Thermal Changes in Soft Tissues Using a Diode Laser. <i>Photomedicine and Laser Surgery</i> , 2018, 36, 386-390.	2.0	15
52	Multistep Drill Design for Single-Stage Implant Site Preparation: Experimental Study in Type 2 Bone. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, e472-85.	3.7	14
53	Outcomes of Topical Applications of Melatonin in Implant Dentistry. <i>Implant Dentistry</i> , 2015, 24, 25-30.	1.3	14
54	Influence of collar design on peri-implant tissue healing around immediate implants: A pilot study in Foxhound dogs. <i>Clinical Oral Implants Research</i> , 2015, 26, 851-857.	4.5	14

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55	Influence of Drilling Speed on Stability of Tapered Dental Implants: An Ex Vivo Experimental Study. International Journal of Oral and Maxillofacial Implants, 2016, 31, 795-798.	1.4	14
56	Implant stability and marginal bone level of microgrooved zirconia dental implants: A 3-month experimental study on dogs. Vojnosanitetski Pregled, 2014, 71, 451-461.	0.2	13
57	Connective Tissue Characteristics around Healing Abutments of Different Geometries: New Methodological Technique under Circularly Polarized Light. Clinical Implant Dentistry and Related Research, 2015, 17, 667-680.	3.7	13
58	<i>Retracted:</i> Experimental model of bone response to xenografts of bovine origin (Endobon [®]): a radiological and histomorphometric study. Clinical Oral Implants Research, 2011, 22, 727-734.	4.5	12
59	Tissue response following papilla-sparing and sulcular incisions in oral surgery—an experimental study. Clinical Oral Investigations, 2014, 18, 1313-1317.	3.0	12
60	Photothermal Effects of Defocused Initiated Versus Noninitiated Diode Implant Irradiation. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 356-361.	1.4	11
61	Primary stability of narrow-diameter dental implants with a multiple condensing thread design placed in bone with and without osteotomes: An in vitro study. Clinical Implant Dentistry and Related Research, 2020, 22, 409-414.	3.7	9
62	<i>Retracted:</i> Bone neoformation and mineral degradation of Bone [®] Part II: histological and histomorphometric analysis in critical size defects in rabbits. Clinical Oral Implants Research, 2015, 26, 1402-1406.	4.5	8
63	Xenografts Supplemented with Pamidronate placed in postextraction sockets to avoid crestal bone resorption. Experimental study in Fox hound dogs. Clinical Oral Implants Research, 2016, 27, 149-155.	4.5	8
64	In vitro comparison of resonance frequency analysis devices to evaluate implant stability of narrow diameter implants at varying drilling speeds in dense artificial bone blocks. Clinical Implant Dentistry and Related Research, 2019, 21, 1023-1027.	3.7	8
65	Deformation of the Internal Connection of Narrow Implants after Insertion in Dense Bone: An In Vitro Study. Materials, 2019, 12, 1833.	2.9	8
66	In Vitro Effect of Drilling Speed on the Primary Stability of Narrow Diameter Implants with Varying Thread Designs Placed in Different Qualities of Simulated Bone. Materials, 2019, 12, 1350.	2.9	8
67	Argon Bioactivation of Implants Installed Simultaneously to Maxillary Sinus Lifting without Graft. An Experimental Study in Rabbits. Dentistry Journal, 2021, 9, 105.	2.3	8
68	Apical stability of implants with progressive thread design in vitro, based on clinicians with different levels of experience. Journal of Periodontology, 2019, 90, 1320-1324.	3.4	7
69	Evaluation of periimplant bone neoformation using different scanning electron microscope methods for measuring BIC. A dog study.. Journal of Clinical and Experimental Dentistry, 2012, 4, e8-e13.	1.2	6
70	<i>Retracted:</i> Bone response to collagenized xenografts of porcine origin (mp3 [®]) and a bovine bone mineral grafting (4BONE [®] , XBM) grafts in tibia defects: experimental study in rabbits. Clinical Oral Implants Research, 2016, 27, 1039-1046.	4.5	5
71	Experimental Study on the Influence of Apigenin K and Melatonin in Socket Preservation as Bone Stimulators: An Experimental Study in Beagle Dogs. Applied Sciences (Switzerland), 2020, 10, 3006.	2.5	4
72	Evaluation of new Seawater-based Mouth Rinse Versus Chlorhexidine 0.2% Reducing Plaque and Gingivitis Indexes. A Randomized Controlled Pilot Study. Applied Sciences (Switzerland), 2020, 10, 982.	2.5	4

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73	Cumulative survival rate of implants placed "fully guided" using CT-guided surgery: a 7-year retrospective study. <i>Compendium of Continuing Education in Dentistry (Jamesburg, NJ: 1995)</i> , 2014, 35, 590-98, 600.	0.1	4
74	Extended Post-Curing Light Exposure and Sandblasting Effects on Surface Hydrophobicity of 3D-Printed Denture Base Resin. <i>Prosthesis</i> , 2022, 4, 80-90.	2.9	4
75	<i>Retracted:</i> Histological and histomorphometric analyses of narrow implants, crestal and subcrestally placed in severe alveolar atrophy: a study in foxhound dogs. <i>Clinical Oral Implants Research</i> , 2016, 27, 497-504.	4.5	3
76	Peri-Implant Behavior of Sloped Shoulder Dental Implants Used for All-On-Four Protocols: An Histomorphometric Analysis in Dogs. <i>Materials</i> , 2018, 11, 119.	2.9	3
77	Temporal and Permanent Changes Induced by Maxillary Sinus Lifting with Bone Grafts and Maxillary Functional Endoscopic Sinus Surgery in the Voice Characteristics: Systematic Review. <i>Dentistry Journal</i> , 2022, 10, 47.	2.3	3
78	Can the Macrogeometry of Dental Implants Influence Guided Bone Regeneration in Buccal Bone Defects? Histomorphometric and Biomechanical Analysis in Beagle Dogs. <i>Journal of Clinical Medicine</i> , 2019, 8, 618.	2.4	2
79	Counterclockwise Drilling with Different Tapered Drills Condenses the Implant Bed: An Optical Coherence Tomography In Vitro Study. <i>Medicina (Lithuania)</i> , 2021, 57, 940.	2.0	2
80	Spectrometric Analysis of the Wear from Metallic and Ceramic Dental Implants following Insertion: An In Vitro Study. <i>Materials</i> , 2022, 15, 1200.	2.9	2
81	Evaluation of the Cortical Deformation Induced by Distal Cantilevers Supported by Extra-Short Implants: A Finite Elements Analysis Study. <i>Symmetry</i> , 2018, 10, 762.	2.2	1
82	Volumetric Changes in Morse Taper Connections After Implant Placement in Dense Bone. In-Vitro Study. <i>Materials</i> , 2020, 13, 2306.	2.9	1
83	Temperature Change from Diode Lasers in Oral Mucosa: An Ex Vivo Study. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2021, 39, 334-338.	1.4	1
84	Thermal Transfer on Splinted Implants During Diode Laser Irradiation In Vitro. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2021, 39, 471-479.	1.4	1
85	Diode Laser Light Scattering and Temperature Changes Due to Anesthesia Injection in Bovine Tongue Mucosa. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2021, 39, 587-592.	1.4	1
86	In-vitro evaluation of the primary stability of multiple condensing thread designed implants placed by novice and experienced clinicians. <i>Surgery in Practice and Science</i> , 2020, 2, 100014.	0.4	0
87	Assisted removal of metal housings from overdentures with a 445-nm diode laser: A dental technique. <i>Journal of Prosthetic Dentistry</i> , 2021, , .	2.8	0
88	Implant and prosthetic rehabilitation of a patient with mucous membrane pemphigoid. <i>Journal of Prosthetic Dentistry</i> , 2020, , .	2.8	0