

# Adriano Piattelli

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

1,921  
citations

279798

23  
h-index

330143

37  
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97  
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97  
docs citations

97  
times ranked

2618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Osseointegration at Implants Installed in Composite Bone: A Randomized Clinical Trial on Sinus Floor Elevation. <i>Journal of Functional Biomaterials</i> , 2022, 13, 22.	4.4	5
2	Fixture Length and Primary Stability: An In Vitro Study on Polyurethane Foam. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2683.	2.5	1
3	Comparison between Single and Multi-LED Emitters for Photodynamic Therapy: An In Vitro Study on <i>Enterococcus faecalis</i> and Human Gingival Fibroblasts. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3048.	2.6	9
4	Regenerative Medicine: Role of Stem Cells and Innovative Biomaterials 2.0. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4199.	4.1	2
5	Radiographic Analysis of Graft Dimensional Changes in Transcrestal Maxillary Sinus Augmentation: A Retrospective Study. <i>Materials</i> , 2022, 15, 2964.	2.9	7
6	Radiographic Analysis of Graft Dimensional Changes after Lateral Maxillary Sinus Augmentation with Heterologous Materials and Simultaneous Implant Placement: A Retrospective Study in 18 Patients. <i>Materials</i> , 2022, 15, 3056.	2.9	1
7	Biocompatibility and antibiofilm activity of graphene-oxide functionalized titanium discs and collagen membranes. <i>Dental Materials</i> , 2022, , .	3.5	4
8	Influence on Implant Bone Healing of a Collagen Membrane Placed Subjacent the Sinus Mucosa—A Randomized Clinical Trial on Sinus Floor Elevation. <i>Dentistry Journal</i> , 2022, 10, 105.	2.3	4
9	Lateral static overload on immediately restored implants decreases the osteocyte index in peri-implant bone: a secondary analysis of a pre-clinical study in dogs. <i>Clinical Oral Investigations</i> , 2021, 25, 3297-3303.	3.0	6
10	Multivariate analysis of the influence of peri-implant clinical parameters and local factors on radiographic bone loss in the posterior maxilla: a retrospective study on 277 dental implants. <i>Clinical Oral Investigations</i> , 2021, 25, 3441-3451.	3.0	3
11	An in vitro evaluation on polyurethane foam sheets of the insertion torque, removal torque values, and resonance frequency analysis (RFA) of a self-tapping threads and round apex implant. <i>Frontiers in Forests and Global Change</i> , 2021, 40, 20-30.	1.1	6
12	Use of fractal analysis in dental images for osteoporosis detection: a systematic review and meta-analysis. <i>Osteoporosis International</i> , 2021, 32, 1041-1052.	3.1	21
13	Impact of tooth loss due to periodontal disease on the prognosis of rehabilitation. <i>Brazilian Oral Research</i> , 2021, 35, e101.	1.4	2
14	Novel technique using cold atmospheric plasma coupled with air-polishing for the treatment of titanium discs grown with biofilm: An in-vitro study. <i>Dental Materials</i> , 2021, 37, 359-369.	3.5	11
15	The Potential of Colonic Tumor Tissue <i>Fusobacterium nucleatum</i> to Predict Staging and Its Interplay with Oral Abundance in Colon Cancer Patients. <i>Cancers</i> , 2021, 13, 1032.	3.7	21
16	Biphasic Calcium Phosphate Biomaterials: Stem Cell-Derived Osteoinduction or In Vivo Osteoconduction? Novel Insights in Maxillary Sinus Augmentation by Advanced Imaging. <i>Materials</i> , 2021, 14, 2159.	2.9	1
17	Cold atmospheric plasma coupled with air abrasion in liquid medium for the treatment of peri-implantitis model grown with a complex human biofilm: an in vitro study. <i>Clinical Oral Investigations</i> , 2021, 25, 6633-6642.	3.0	7
18	The Symmetric 3D Organization of Connective Tissue around Implant Abutment: A Key-Issue to Prevent Bone Resorption. <i>Symmetry</i> , 2021, 13, 1126.	2.2	6

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19	Therapeutic Potential of Antibody-Drug Conjugate-Based Therapy in Head and Neck Cancer: A Systematic Review. <i>Cancers</i> , 2021, 13, 3126.	3.7	12
20	Exploring the Connection between <i>Porphyromonas gingivalis</i> and Neurodegenerative Diseases: A Pilot Quantitative Study on the Bacterium Abundance in Oral Cavity and the Amount of Antibodies in Serum. <i>Biomolecules</i> , 2021, 11, 845.	4.0	14
21	A Novel 3D Titanium Surface Produced by Selective Laser Sintering to Counteract <i>Streptococcus oralis</i> Biofilm Formation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11915.	2.5	2
22	Presence of ROS in Inflammatory Environment of Peri-Implantitis Tissue: In Vitro and In Vivo Human Evidence. <i>Journal of Clinical Medicine</i> , 2020, 9, 38.	2.4	23
23	How Periodontal Disease and Presence of Nitric Oxide Reducing Oral Bacteria Can Affect Blood Pressure. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7538.	4.1	53
24	Material characterization and <i>Streptococcus oralis</i> adhesion on Polyetheretherketone (PEEK) and titanium surfaces used in implantology. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 84.	3.6	39
25	The Emerging Role of Cold Atmospheric Plasma in Implantology: A Review of the Literature. <i>Nanomaterials</i> , 2020, 10, 1505.	4.1	25
26	Are 7mm long implants in native bone as effective as longer implants in augmented bone for the rehabilitation of posterior atrophic jaws? A systematic review and meta-analysis. <i>Clinical Implant Dentistry and Related Research</i> , 2020, 22, 552-566.	3.7	19
27	Influence of the position of the antrostomy in sinus floor elevation on the healing of mini-implants: a randomized clinical trial. <i>Oral and Maxillofacial Surgery</i> , 2020, 24, 299-308.	1.3	7
28	Histological and Histomorphometrical Evaluation of a New Implant Macrogeometry. A Sheep Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3477.	2.6	21
29	Enhanced VEGF/VEGF-R and RUNX2 Expression in Human Periodontal Ligament Stem Cells Cultured on Sandblasted/Etched Titanium Disk. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 315.	3.7	27
30	Jawbone remodeling: a conceptual study based on Synchrotron High-resolution Tomography. <i>Scientific Reports</i> , 2020, 10, 3777.	3.3	20
31	Use of platelet-rich fibrin for the treatment of gingival recessions: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2020, 24, 2543-2557.	3.0	49
32	The Use of ESEM-EDX as an Innovative Tool to Analyze the Mineral Structure of Peri-Implant Human Bone. <i>Materials</i> , 2020, 13, 1671.	2.9	15
33	Split crest technique for implant treatment of agenesis of the upper lateral incisors: results of a randomized pilot histological and clinical study at 24-month follow-up. <i>Brazilian Oral Research</i> , 2020, 34, e118.	1.4	4
34	Metal Nanoparticles Released from Dental Implant Surfaces: Potential Contribution to Chronic Inflammation and Peri-Implant Bone Loss. <i>Materials</i> , 2019, 12, 2036.	2.9	96
35	Peri-implant alveolar bone resorption in an innovative peri-implantitis murine model: Effect of implant surface and onset of infection. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 723-733.	3.7	7
36	Miniaturized Electromagnetic Device Abutment Improves Stability of the Dental Implants. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 1055-1057.	0.7	12

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37	Correlation between Implant Geometry, Bone Density, and the Insertion Torque/Depth Integral: A Study on Bovine Ribs. <i>Dentistry Journal</i> , 2019, 7, 25.	2.3	21
38	Surgical procedures for soft tissue augmentation at implant sites. A systematic review and meta-analysis of randomized controlled trials. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 1262-1270.	3.7	34
39	Sinus Floor Elevation and Antrostomy Healing. <i>Implant Dentistry</i> , 2019, Publish Ahead of Print, 537-542.	1.3	10
40	Effectiveness of Different Commercial Chlorhexidine-Based Mouthwashes After Periodontal and Implant Surgery. <i>Implant Dentistry</i> , 2019, 28, 74-85.	1.3	27
41	New Biomaterials and Regenerative Medicine Strategies in Periodontology, Oral Surgery, Esthetic and Implant Dentistry 2018. <i>BioMed Research International</i> , 2019, 2019, 1-2.	1.9	3
42	The Conometric Concept: A Two-Year Follow-Up of Fixed Partial CEREC Restorations Supported By Cone-Beam Cone Abutments. <i>Journal of Prosthodontics</i> , 2019, 28, e780-e787.	3.7	10
43	Bone healing at non-submerged implants installed with different insertion torques: a split-mouth histomorphometric randomized controlled trial. <i>International Journal of Implant Dentistry</i> , 2019, 5, 39.	2.7	9
44	Additive manufacturing of titanium alloy could modify the pathogenic microbial profile: an in vitro study. <i>Brazilian Oral Research</i> , 2019, 33, e065.	1.4	16
45	The impact of non-surgical therapy of periodontal disease on surrogate markers for cardiovascular disease: A literature review. <i>American Journal of Dentistry</i> , 2019, 32, 191-200.	0.1	6
46	Influence of the Presence of Alveolar Mucosa at Implants. <i>Implant Dentistry</i> , 2018, 27, 193-201.	1.3	7
47	The Conometric Concept: Definitive Fixed Lithium Disilicate Restorations Supported by Conical Abutments. <i>Journal of Prosthodontics</i> , 2018, 27, 605-610.	3.7	14
48	Regenerative properties of collagenated porcine bone grafts in human maxilla: demonstrative study of the kinetics by synchrotron radiation microtomography and light microscopy. <i>Clinical Oral Investigations</i> , 2018, 22, 505-513.	3.0	15
49	5-Aza Exposure Improves Reprogramming Process Through Embryoid Body Formation in Human Gingival Stem Cells. <i>Frontiers in Genetics</i> , 2018, 9, 419.	2.3	46
50	Bone Healing at Functionally Loaded and Unloaded Screw-Shaped Implants Supporting Single Crowns: A Histomorphometric Study in Humans. <i>International Journal of Oral and Maxillofacial Implants</i> , 2018, 33, 181-187.	1.4	15
51	Immunohistochemical Evaluation of Peri-Implant Soft Tissues around Machined and Direct Metal Laser Sintered (DMLS) Healing Abutments in Humans. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1611.	2.6	25
52	Osteo-regeneration personalized for children by rapid maxillary expansion: an imaging study based on synchrotron radiation microtomography. <i>BMC Oral Health</i> , 2018, 18, 125.	2.3	0
53	Three-Dimensional Architecture and Mechanical Properties of Bovine Bone Mixed with Autologous Platelet Liquid, Blood, or Physiological Water: An In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1230.	4.1	40
54	Graphene-Based Nanomaterials for Tissue Engineering in the Dental Field. <i>Nanomaterials</i> , 2018, 8, 349.	4.1	101

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55	The effect of undersizing and tapping on bone to implant contact and implant primary stability: A histomorphometric study on bovine ribs. <i>Journal of Advanced Prosthodontics</i> , 2018, 10, 227.	2.6	10
56	Three-dimensional microarchitecture and local mineralization of human jaws affected by bisphosphonate-related osteonecrosis. <i>Oral Oncology</i> , 2018, 84, 128-130.	1.5	3
57	Pulsed electromagnetic fields increase osteogenetic commitment of MSCs via the mTOR pathway in TNF- $\alpha$ mediated inflammatory conditions: an in-vitro study. <i>Scientific Reports</i> , 2018, 8, 5108.	3.3	44
58	Bisphosphonate-related osteonecrosis of the human jaw: A combined 3D assessment of bone descriptors by histology and synchrotron radiation-based microtomography. <i>Oral Oncology</i> , 2018, 82, 200-202.	1.5	10
59	Influence of the Buccal Bone Crest Width on Peri-Implant Hard and Soft Tissues Dimensions. <i>Implant Dentistry</i> , 2018, 27, 415-423.	1.3	10
60	Early bone formation around immediately loaded implants with nanostructured calcium-incorporated and machined surface: a randomized, controlled histologic and histomorphometric study in the human posterior maxilla. <i>Clinical Oral Investigations</i> , 2017, 21, 2603-2611.	3.0	25
61	Marginal bone loss around implants with platform-switched Morse cone connection: a radiographic cross-sectional study. <i>Clinical Oral Implants Research</i> , 2017, 28, 1108-1112.	4.5	14
62	Cellular Midpalatal Suture Changes after Rapid Maxillary Expansion in Growing Subjects: A Case Report. <i>International Journal of Molecular Sciences</i> , 2017, 18, 615.	4.1	23
63	Release of VEGF from Dental Implant Improves Osteogenetic Process: Preliminary In Vitro Tests. <i>Materials</i> , 2017, 10, 1052.	2.9	23
64	Porcine Bone Scaffolds Adsorb Growth Factors Secreted by MSCs and Improve Bone Tissue Repair. <i>Materials</i> , 2017, 10, 1054.	2.9	12
65	Role of Cortico-Cancellous Heterologous Bone in Human Periodontal Ligament Stem Cell Xeno-Free Culture Studied by Synchrotron Radiation Phase-Contrast Microtomography. <i>International Journal of Molecular Sciences</i> , 2017, 18, 364.	4.1	19
66	Bone Response to Two Dental Implants with Different Sandblasted/Acid-Etched Implant Surfaces: A Histological and Histomorphometrical Study in Rabbits. <i>BioMed Research International</i> , 2017, 2017, 1-8.	1.9	27
67	Molecular, Cellular and Pharmaceutical Aspects of Bone Grafting Materials and Membranes During Maxillary Sinus-lift Procedures. Part 2: Detailed Characteristics of the Materials. <i>Current Pharmaceutical Biotechnology</i> , 2017, 18, 33-44.	1.6	15
68	Molecular, Cellular and Pharmaceutical Aspects of Bone Grafting Materials and Membranes During Maxillary Sinus-lift Procedures. Part 1: A General Overview. <i>Current Pharmaceutical Biotechnology</i> , 2017, 18, 19-32.	1.6	6
69	Bone Regeneration in Iliac Crestal Defects: An Experimental Study on Sheep. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	20
70	Soft Tissue Augmentation with Autologous Platelet Gel and $\beta$ -TCP: A Histologic and Histometric Study in Mice. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	14
71	10-year prospective cohort follow-up of immediately restored XiVE implants. <i>Clinical Oral Implants Research</i> , 2016, 27, 694-700.	4.5	21
72	Influence of osteoporosis on the osteocyte density of human mandibular bone samples: a controlled histological human study. <i>Clinical Oral Implants Research</i> , 2016, 27, 325-328.	4.5	13

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73	<i>H&eacute;classic</i>: a new method to identify classic articles in Implant Dentistry, Periodontics, and Oral Surgery. Clinical Oral Implants Research, 2016, 27, 1317-1330.	4.5	20
74	A new device for improving dental implants anchorage: a histological and micro&eacute;computed tomography study in the rabbit. Clinical Oral Implants Research, 2016, 27, 935-942.	4.5	23
75	A Novel <i>In Vitro</i> Technique for Assessing Dental Implant Osseointegration. Tissue Engineering - Part C: Methods, 2016, 22, 132-141.	2.1	15
76	A Human Clinical, Histological, Histomorphometrical, and Radiographical Study on Biphasic <sc>HA</sc>&eacute;Beta&eacute;<sc>TCP</sc> 30/70 in Maxillary Sinus Augmentation. Clinical Implant Dentistry and Related Research, 2015, 17, 610-618.	3.7	44
77	Custom-Made Computer-Aided-Design/Computer-Aided-Manufacturing Biphasic Calcium-Phosphate Scaffold for Augmentation of an Atrophic Mandibular Anterior Ridge. Case Reports in Dentistry, 2015, 2015, 1-11.	0.5	28
78	Aesthetic Surgical Crown Lengthening Procedure. Case Reports in Dentistry, 2015, 2015, 1-4.	0.5	7
79	A torque-measuring micromotor provides operator independent measurements marking four different density areas in maxillae. Journal of Advanced Prosthodontics, 2015, 7, 51.	2.6	10
80	Influence of Underpreparation on Primary Stability of Implants Inserted in Poor Quality Bone Sites: An In&Agrave;vitro Study. Journal of Oral and Maxillofacial Surgery, 2015, 73, 1084-1088.	1.2	73
81	Bone formation in sinus augmentation procedures using autologous bone, porcine bone, and a 50&Agrave;:50 mixture: a human clinical and histological evaluation at 2&Agrave;months. Clinical Oral Implants Research, 2015, 26, 1180-1184.	4.5	24
82	A site-specific intraoperative measurement of bone-to-implant contact during implant insertion: A study on bovine ribs using a computerized implant motor. Journal of Dental Sciences, 2015, 10, 21-27.	2.5	10
83	Correlation between the Bone Density Recorded by a Computerized Implant Motor and by a Histomorphometric Analysis: A Preliminary In Vitro Study on Bovine Ribs. Clinical Implant Dentistry and Related Research, 2015, 17, e35-44.	3.7	22
84	Evaluation of Peri-Implant Bone Response in Implants Retrieved for Fracture After More Than 20 Years of Loading: A Case Series. Journal of Oral Implantology, 2015, 41, 414-418.	1.0	12
85	Fixed restorations supported by Morse&eacute;taper connection implants: a retrospective clinical study with 10&eacute;20&eacute;years of follow&eacute;up. Clinical Oral Implants Research, 2015, 26, 1229-1236.	4.5	67
86	Selective Augmentation of Stem Cell Populations in Structural Fat Grafts for Maxillofacial Surgery. PLoS ONE, 2014, 9, e110796.	2.5	16
87	Osteocyte density in the peri&eacute;implant bone of implants retrieved after different time periods (4 weeks) Tj ETQq1 1,0,784314,rgBT /Ove	3,4	34
88	Volumetric dimensional changes of autogenous bone and the mixture of hydroxyapatite and autogenous bone graft in humans maxillary sinus augmentation. A multislice tomographic study. Clinical Oral Implants Research, 2014, 25, 1251-1256.	4.5	39
89	Graphene based scaffolds effects on stem cells commitment. Journal of Translational Medicine, 2014, 12, 296.	4.4	104
90	Adult stem cells properties in terms of commitment, aging and biological safety of grit-blasted and Acid-etched ti dental implants surfaces. International Journal of Molecular and Cellular Medicine, 2014, 3, 225-36.	1.1	9

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91	Development of a New Implant Primary Stability Parameter: Insertion Torque Revisited. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 637-644.	3.7	30
92	Influence of direct laser fabrication implant topography on type IV bone: A histomorphometric study in humans. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 607-614.	4.0	46
93	Peripheral Clear Cell Calcifying Epithelial Odontogenic Tumor. Report of a Case. <i>Journal of Periodontology</i> , 2000, 71, 1177-1180.	3.4	18