

# Adriano Piattelli

## List of Publications by Year in descending order

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93  
papers

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citations

279701

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330025

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g-index

97  
all docs

97  
docs citations

97  
times ranked

2618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene based scaffolds effects on stem cells commitment. Journal of Translational Medicine, 2014, 12, 296.	1.8	104
2	Graphene-Based Nanomaterials for Tissue Engineering in the Dental Field. Nanomaterials, 2018, 8, 349.	1.9	101
3	Metal Nanoparticles Released from Dental Implant Surfaces: Potential Contribution to Chronic Inflammation and Peri-Implant Bone Loss. Materials, 2019, 12, 2036.	1.3	96
4	Influence of Underpreparation on Primary Stability of Implants Inserted in Poor Quality Bone Sites: An In Vitro Study. Journal of Oral and Maxillofacial Surgery, 2015, 73, 1084-1088.	0.5	73
5	Fixed restorations supported by Morse taper connection implants: a retrospective clinical study with 10 years of follow-up. Clinical Oral Implants Research, 2015, 26, 1229-1236.	1.9	67
6	How Periodontal Disease and Presence of Nitric Oxide Reducing Oral Bacteria Can Affect Blood Pressure. International Journal of Molecular Sciences, 2020, 21, 7538.	1.8	53
7	Use of platelet-rich fibrin for the treatment of gingival recessions: a systematic review and meta-analysis. Clinical Oral Investigations, 2020, 24, 2543-2557.	1.4	49
8	Influence of direct laser fabrication implant topography on type IV bone: A histomorphometric study in humans. Journal of Biomedical Materials Research - Part A, 2010, 93A, 607-614.	2.1	46
9	5-Aza Exposure Improves Reprogramming Process Through Embryoid Body Formation in Human Gingival Stem Cells. Frontiers in Genetics, 2018, 9, 419.	1.1	46
10	A Human Clinical, Histological, Histomorphometrical, and Radiographical Study on Biphasic HA-Beta-TCP 30/70 in Maxillary Sinus Augmentation. Clinical Implant Dentistry and Related Research, 2015, 17, 610-618.	1.6	44
11	Pulsed electromagnetic fields increase osteogenetic commitment of MSCs via the mTOR pathway in TNF- $\alpha$ mediated inflammatory conditions: an in-vitro study. Scientific Reports, 2018, 8, 5108.	1.6	44
12	Three-Dimensional Architecture and Mechanical Properties of Bovine Bone Mixed with Autologous Platelet Liquid, Blood, or Physiological Water: An In Vitro Study. International Journal of Molecular Sciences, 2018, 19, 1230.	1.8	40
13	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.	1.9	39
14	Material characterization and Streptococcus oralis adhesion on Polyetheretherketone (PEEK) and titanium surfaces used in implantology. Journal of Materials Science: Materials in Medicine, 2020, 31, 84.	1.7	39
15	Osteocyte density in the peri-implant bone of implants retrieved after different time periods (4 weeks) Tj ETQq1 1.0.784314 rgBT /Ove	1.6	34
16	Surgical procedures for soft tissue augmentation at implant sites. A systematic review and meta-analysis of randomized controlled trials. Clinical Implant Dentistry and Related Research, 2019, 21, 1262-1270.	1.6	34
17	Development of a New Implant Primary Stability Parameter: Insertion Torque Revisited. Clinical Implant Dentistry and Related Research, 2013, 15, 637-644.	1.6	30
18	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, 1-11.	0.2	28

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19	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.	0.9	27
20	Effectiveness of Different Commercial Chlorhexidine-Based Mouthwashes After Periodontal and Implant Surgery. <i>Implant Dentistry</i> , 2019, 28, 74-85.	1.7	27
21	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.	1.8	27
22	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.	1.4	25
23	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.	1.2	25
24	The Emerging Role of Cold Atmospheric Plasma in Implantology: A Review of the Literature. <i>Nanomaterials</i> , 2020, 10, 1505.	1.9	25
25	Bone formation in sinus augmentation procedures using autologous bone, porcine bone, and a 50:50 mixture: a human clinical and histological evaluation at 24 months. <i>Clinical Oral Implants Research</i> , 2015, 26, 1180-1184.	1.9	24
26	A new device for improving dental implants anchorage: a histological and micro-computed tomography study in the rabbit. <i>Clinical Oral Implants Research</i> , 2016, 27, 935-942.	1.9	23
27	Cellular Midpalatal Suture Changes after Rapid Maxillary Expansion in Growing Subjects: A Case Report. <i>International Journal of Molecular Sciences</i> , 2017, 18, 615.	1.8	23
28	Release of VEGF from Dental Implant Improves Osteogenetic Process: Preliminary In Vitro Tests. <i>Materials</i> , 2017, 10, 1052.	1.3	23
29	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.	1.0	23
30	Correlation between the Bone Density Recorded by a Computerized Implant Motor and by a Histomorphometric Analysis: A Preliminary In Vitro Study on Bovine Ribs. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, e35-44.	1.6	22
31	10-year prospective cohort follow-up of immediately restored XiVE implants. <i>Clinical Oral Implants Research</i> , 2016, 27, 694-700.	1.9	21
32	Correlation between Implant Geometry, Bone Density, and the Insertion Torque/Depth Integral: A Study on Bovine Ribs. <i>Dentistry Journal</i> , 2019, 7, 25.	0.9	21
33	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.	1.2	21
34	Use of fractal analysis in dental images for osteoporosis detection: a systematic review and meta-analysis. <i>Osteoporosis International</i> , 2021, 32, 1041-1052.	1.3	21
35	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.	1.7	21
36	Bone Regeneration in Iliac Crestal Defects: An Experimental Study on Sheep. <i>BioMed Research International</i> , 2016, 2016, 1-6.	0.9	20

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37	<i>Classic</i> : a new method to identify classic articles in Implant Dentistry, Periodontics, and Oral Surgery. <i>Clinical Oral Implants Research</i> , 2016, 27, 1317-1330.	1.9	20
38	Jawbone remodeling: a conceptual study based on Synchrotron High-resolution Tomography. <i>Scientific Reports</i> , 2020, 10, 3777.	1.6	20
39	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.	1.8	19
40	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.	1.6	19
41	Peripheral Clear Cell Calcifying Epithelial Odontogenic Tumor. Report of a Case. <i>Journal of Periodontology</i> , 2000, 71, 1177-1180.	1.7	18
42	Selective Augmentation of Stem Cell Populations in Structural Fat Grafts for Maxillofacial Surgery. <i>PLoS ONE</i> , 2014, 9, e110796.	1.1	16
43	Additive manufacturing of titanium alloy could modify the pathogenic microbial profile: an in vitro study. <i>Brazilian Oral Research</i> , 2019, 33, e065.	0.6	16
44	A Novel <i>In Vitro</i> Technique for Assessing Dental Implant Osseointegration. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 132-141.	1.1	15
45	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.	1.4	15
46	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.	0.6	15
47	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.	1.3	15
48	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.	0.9	15
49	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.	0.9	14
50	Marginal bone loss around implants with platform-switched Morseone connection: a radiographic cross-sectional study. <i>Clinical Oral Implants Research</i> , 2017, 28, 1108-1112.	1.9	14
51	The Conometric Concept: Definitive Fixed Lithium Disilicate Restorations Supported by Conical Abutments. <i>Journal of Prosthodontics</i> , 2018, 27, 605-610.	1.7	14
52	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.	1.8	14
53	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.	1.9	13
54	Evaluation of Peri-Implant Bone Response in Implants Retrieved for Fracture After More Than 20 Years of Loading: A Case Series. <i>Journal of Oral Implantology</i> , 2015, 41, 414-418.	0.4	12

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55	Porcine Bone Scaffolds Adsorb Growth Factors Secreted by MSCs and Improve Bone Tissue Repair. <i>Materials</i> , 2017, 10, 1054.	1.3	12
56	Miniaturized Electromagnetic Device Abutment Improves Stability of the Dental Implants. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 1055-1057.	0.3	12
57	Therapeutic Potential of Antibody-Drug Conjugate-Based Therapy in Head and Neck Cancer: A Systematic Review. <i>Cancers</i> , 2021, 13, 3126.	1.7	12
58	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.	1.6	11
59	A torque-measuring micromotor provides operator independent measurements marking four different density areas in maxillae. <i>Journal of Advanced Prosthodontics</i> , 2015, 7, 51.	1.1	10
60	A site-specific intraoperative measurement of bone-to-implant contact during implant insertion: A study on bovine ribs using a computerized implant motor. <i>Journal of Dental Sciences</i> , 2015, 10, 21-27.	1.2	10
61	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.	1.1	10
62	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.	0.8	10
63	Influence of the Buccal Bone Crest Width on Peri-Implant Hard and Soft Tissues Dimensions. <i>Implant Dentistry</i> , 2018, 27, 415-423.	1.7	10
64	Sinus Floor Elevation and Antrostomy Healing. <i>Implant Dentistry</i> , 2019, Publish Ahead of Print, 537-542.	1.7	10
65	The Conometric Concept: A Two-Year Follow-Up of Fixed Partial CEREC Restorations Supported By Cone-Beam Abutments. <i>Journal of Prosthodontics</i> , 2019, 28, e780-e787.	1.7	10
66	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.	1.1	9
67	Adult stem cells properties in terms of commitment, aging and biological safety of grit-blasted and Acid-etched ti dental implants surfaces. <i>International Journal of Molecular and Cellular Medicine</i> , 2014, 3, 225-36.	1.1	9
68	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.	1.2	9
69	Aesthetic Surgical Crown Lengthening Procedure. <i>Case Reports in Dentistry</i> , 2015, 2015, 1-4.	0.2	7
70	Influence of the Presence of Alveolar Mucosa at Implants. <i>Implant Dentistry</i> , 2018, 27, 193-201.	1.7	7
71	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.	1.6	7
72	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.	0.6	7

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73	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.	1.4	7
74	Radiographic Analysis of Graft Dimensional Changes in Transcrestal Maxillary Sinus Augmentation: A Retrospective Study. <i>Materials</i> , 2022, 15, 2964.	1.3	7
75	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.	1.4	6
76	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.	0.6	6
77	The Symmetric 3D Organization of Connective Tissue around Implant Abutment: A Key-Issue to Prevent Bone Resorption. <i>Symmetry</i> , 2021, 13, 1126.	1.1	6
78	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.	0.9	6
79	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
80	Osseointegration at Implants Installed in Composite Bone: A Randomized Clinical Trial on Sinus Floor Elevation. <i>Journal of Functional Biomaterials</i> , 2022, 13, 22.	1.8	5
81	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.	0.6	4
82	Biocompatibility and antibiofilm activity of graphene-oxide functionalized titanium discs and collagen membranes. <i>Dental Materials</i> , 2022, , .	1.6	4
83	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.	0.9	4
84	Three-dimensional microarchitecture and local mineralization of human jaws affected by bisphosphonate-related osteonecrosis. <i>Oral Oncology</i> , 2018, 84, 128-130.	0.8	3
85	New Biomaterials and Regenerative Medicine Strategies in Periodontology, Oral Surgery, Esthetic and Implant Dentistry 2018. <i>BioMed Research International</i> , 2019, 2019, 1-2.	0.9	3
86	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.	1.4	3
87	Impact of tooth loss due to periodontal disease on the prognosis of rehabilitation. <i>Brazilian Oral Research</i> , 2021, 35, e101.	0.6	2
88	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.	1.3	2
89	Regenerative Medicine: Role of Stem Cells and Innovative Biomaterials 2.0. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4199.	1.8	2
90	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.	1.3	1

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91	Fixture Length and Primary Stability: An In Vitro Study on Polyurethane Foam. Applied Sciences (Switzerland), 2022, 12, 2683.	1.3	1
92	Radiographic Analysis of Graft Dimensional Changes after Lateral Maxillary Sinus Augmentation with Heterologous Materials and Simultaneous Implant Placement: A Retrospective Study in 18 Patients. Materials, 2022, 15, 3056.	1.3	1
93	Osteo-regeneration personalized for children by rapid maxillary expansion: an imaging study based on synchrotron radiation microtomography. BMC Oral Health, 2018, 18, 125.	0.8	0