

Adriano Piattelli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84

papers

1,182

citations

18

h-index

28

g-index

97

ext. papers

1,570

ext. citations

3.7

avg. IF

4.68

L-index

#	Paper	IF	Citations
84	Graphene based scaffolds effects on stem cells commitment. <i>Journal of Translational Medicine</i> , 2014 , 12, 296	8.5	90
83	Graphene-Based Nanomaterials for Tissue Engineering in the Dental Field. <i>Nanomaterials</i> , 2018 , 8,	5.4	69
82	Influence of underpreparation on primary stability of implants inserted in poor quality bone sites: an in vitro study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 1084-8	1.8	57
81	Fixed restorations supported by Morse-taper connection implants: a retrospective clinical study with 10-20 years of follow-up. <i>Clinical Oral Implants Research</i> , 2015 , 26, 1229-36	4.8	49
80	Metal Nanoparticles Released from Dental Implant Surfaces: Potential Contribution to Chronic Inflammation and Peri-Implant Bone Loss. <i>Materials</i> , 2019 , 12,	3.5	44
79	5-Aza Exposure Improves Reprogramming Process Through Embryoid Body Formation in Human Gingival Stem Cells. <i>Frontiers in Genetics</i> , 2018 , 9, 419	4.5	37
78	A Human Clinical, Histological, Histomorphometrical, and Radiographical Study on Biphasic HA-Beta-TCP 30/70 in Maxillary Sinus Augmentation. <i>Clinical Implant Dentistry and Related Research</i> , 2015 , 17, 610-8	3.9	34
77	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 , 93, 607-14	5.4	34
76	Osteocyte density in the peri-implant bone of implants retrieved after different time periods (4 weeks to 27 years). <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 239-43	3.5	28
75	Volumetric dimensional changes of autogenous bone and the mixture of hydroxyapatite and autogenous bone graft in humans maxillary sinus augmentation. A multislice tomographic study. <i>Clinical Oral Implants Research</i> , 2014 , 25, 1251-1256	4.8	27
74	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	4.2	24
73	Pulsed electromagnetic fields increase osteogenetic commitment of MSCs via the mTOR pathway in TNF-mediated inflammatory conditions: an in-vitro study. <i>Scientific Reports</i> , 2018 , 8, 5108	4.9	24
72	Custom-Made Computer-Aided-Design/Computer-Aided-Manufacturing Biphasic Calcium-Phosphate Scaffold for Augmentation of an Atrophic Mandibular Anterior Ridge. <i>Case Reports in Dentistry</i> , 2015 , 2015, 941265	0.6	23
71	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,	6.3	22
70	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, 8724951	3	21
69	Development of a new implant primary stability parameter: insertion torque revisited. <i>Clinical Implant Dentistry and Related Research</i> , 2013 , 15, 637-44	3.9	21
68	Cellular Midpalatal Suture Changes after Rapid Maxillary Expansion in Growing Subjects: A Case Report. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	18

67	H-classic: a new method to identify classic articles in Implant Dentistry, Periodontics, and Oral Surgery. <i>Clinical Oral Implants Research</i> , 2016 , 27, 1317-1330	4.8	18
66	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	4.2	17
65	Peripheral clear cell calcifying epithelial odontogenic tumor. Report of a case. <i>Journal of Periodontology</i> , 2000 , 71, 1177-80	4.6	16
64	Material characterization and Streptococcus oralis adhesion on Polyetheretherketone (PEEK) and titanium surfaces used in implantology. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 84	4.5	16
63	10-year prospective cohort follow-up of immediately restored XiVE implants. <i>Clinical Oral Implants Research</i> , 2016 , 27, 694-700	4.8	16
62	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 Suppl 1, e35-44	3.9	15
61	How Periodontal Disease and Presence of Nitric Oxide Reducing Oral Bacteria Can Affect Blood Pressure. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	15
60	A Novel In Vitro Technique for Assessing Dental Implant Osseointegration. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 132-141	2.9	14
59	Correlation between Implant Geometry, Bone Density, and the Insertion Torque/Depth Integral: A Study on Bovine Ribs. <i>Dentistry Journal</i> , 2019 , 7,	3.1	14
58	Histological and Histomorphometrical Evaluation of a New Implant Macrogeometry. A Sheep Study. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	14
57	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	5.7	14
56	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, 935-42	4.8	14
55	Bone Regeneration in Iliac Crestal Defects: An Experimental Study on Sheep. <i>BioMed Research International</i> , 2016 , 2016, 4086870	3	14
54	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	3.9	14
53	Release of VEGF from Dental Implant Improves Osteogenetic Process: Preliminary In Vitro Tests. <i>Materials</i> , 2017 , 10,	3.5	13
52	Bone formation in sinus augmentation procedures using autologous bone, porcine bone, and a 50:50 mixture: a human clinical and histological evaluation at 2 months. <i>Clinical Oral Implants Research</i> , 2015 , 26, 1180-4	4.8	13
51	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, 325-8	4.8	13
50	Effectiveness of Different Commercial Chlorhexidine-Based Mouthwashes After Periodontal and Implant Surgery: A Systematic Review. <i>Implant Dentistry</i> , 2019 , 28, 74-85	2.4	13

49	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,	6.3	12
48	Selective augmentation of stem cell populations in structural fat grafts for maxillofacial surgery. <i>PLoS ONE</i> , 2014 , 9, e110796	3.7	12
47	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	4.8	11
46	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	2.6	11
45	The Emerging Role of Cold Atmospheric Plasma in Implantology: A Review of the Literature. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
44	Soft Tissue Augmentation with Autologous Platelet Gel and β CP: A Histologic and Histometric Study in Mice. <i>BioMed Research International</i> , 2016 , 2016, 2078104	3	11
43	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	2.5	10
42	Jawbone remodeling: a conceptual study based on Synchrotron High-resolution Tomography. <i>Scientific Reports</i> , 2020 , 10, 3777	4.9	10
41	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	4.4	10
40	A torque-measuring micromotor provides operator independent measurements marking four different density areas in maxillae. <i>Journal of Advanced Prosthodontics</i> , 2015 , 7, 51-5	2.2	10
39	Are . <i>Clinical Implant Dentistry and Related Research</i> , 2020 , 22, 552-566	3.9	10
38	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, 414-8	1.2	9
37	The Conometric Concept: Definitive Fixed Lithium Disilicate Restorations Supported by Conical Abutments. <i>Journal of Prosthodontics</i> , 2018 , 27, 605-610	3.9	9
36	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,	4.6	9
35	Porcine Bone Scaffolds Adsorb Growth Factors Secreted by MSCs and Improve Bone Tissue Repair. <i>Materials</i> , 2017 , 10,	3.5	9
34	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	1.2	9
33	Miniaturized Electromagnetic Device Abutment Improves Stability of the Dental Implants. <i>Journal of Craniofacial Surgery</i> , 2019 , 30, 1055-1057	1.2	8
32	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	4.2	8

31	Additive manufacturing of titanium alloy could modify the pathogenic microbial profile: an in vitro study. <i>Brazilian Oral Research</i> , 2019 , 33, e065	2.6	8
30	Influence of the Buccal Bone Crest Width on Peri-Implant Hard and Soft Tissues Dimensions: A Histomorphometric Study in Humans. <i>Implant Dentistry</i> , 2018 , 27, 415-423	2.4	7
29	Presence of ROS in Inflammatory Environment of Peri-Implantitis Tissue: In Vitro and In Vivo Human Evidence. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	7
28	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	2.8	7
27	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, 227-235	2.2	6
26	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	2.8	6
25	The Potential of Colonic Tumor Tissue to Predict Staging and Its Interplay with Oral Abundance in Colon Cancer Patients. <i>Cancers</i> , 2021 , 13,	6.6	6
24	Influence of the Presence of Alveolar Mucosa at Implants: A Histological Study in Humans. <i>Implant Dentistry</i> , 2018 , 27, 193-201	2.4	5
23	The Conometric Concept: A Two-Year Follow-Up of Fixed Partial CEREC Restorations Supported By Cone-In-Cone Abutments. <i>Journal of Prosthodontics</i> , 2019 , 28, e780-e787	3.9	5
22	The Use of ESEM-EDX as an Innovative Tool to Analyze the Mineral Structure of Peri-Implant Human Bone. <i>Materials</i> , 2020 , 13,	3.5	5
21	Use of fractal analysis in dental images for osteoporosis detection: a systematic review and meta-analysis. <i>Osteoporosis International</i> , 2021 , 32, 1041-1052	5.3	5
20	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	1.3	5
19	Aesthetic Surgical Crown Lengthening Procedure. <i>Case Reports in Dentistry</i> , 2015 , 2015, 437412	0.6	4
18	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	2.6	4
17	Sinus Floor Elevation and Antrostomy Healing: A Histomorphometric Clinical Study in Humans. <i>Implant Dentistry</i> , 2019 , 28, 537-542	2.4	4
16	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	5.7	4
15	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 ^{3.9}		3
14	Three-dimensional microarchitecture and local mineralization of human jaws affected by bisphosphonate-related osteonecrosis. <i>Oral Oncology</i> , 2018 , 84, 128-130	4.4	3

13	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	4.2	3
12	Exploring the Connection between 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,	5.9	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	1.6	3
10	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	2.6	2
9	The Symmetric 3D Organization of Connective Tissue around Implant Abutment: A Key-Issue to Prevent Bone Resorption. <i>Symmetry</i> , 2021 , 13, 1126	2.7	2
8	Therapeutic Potential of Antibody-Drug Conjugate-Based Therapy in Head and Neck Cancer: A Systematic Review. <i>Cancers</i> , 2021 , 13,	6.6	2
7	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	4.2	2
6	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	1.6	1
5	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	4.2	1
4	Impact of tooth loss due to periodontal disease on the prognosis of rehabilitation. <i>Brazilian Oral Research</i> , 2021 , 35, e101	2.6	0
3	Fixture Length and Primary Stability: An In Vitro Study on Polyurethane Foam. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2683	2.6	0
2	A Novel 3D Titanium Surface Produced by Selective Laser Sintering to Counteract Streptococcus oralis Biofilm Formation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11915	2.6	0
1	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	3.7	