

Antonio Carlos de Oliveira Ruellas

List of Publications by Year in descending order

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104
papers

1,968
citations

257450

24
h-index

330143

37
g-index

104
all docs

104
docs citations

104
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharyngeal airway characterization in adolescents related to facial skeletal pattern: A preliminary study. American Journal of Orthodontics and Dentofacial Orthopedics, 2013, 143, 799-809.	1.7	84
2	Common 3-dimensional coordinate system for Assessment of directional changes. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 149, 645-656.	1.7	83
3	Severe root resorption in orthodontic patients treated with the edgewise method: Prevalence and predictive factors. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 384-388.	1.7	72
4	Osteoarthritis of the Temporomandibular Joint can be diagnosed earlier using biomarkers and machine learning. Scientific Reports, 2020, 10, 8012.	3.3	71
5	3D Mandibular Superimposition: Comparison of Regions of Reference for Voxel-Based Registration. PLoS ONE, 2016, 11, e0157625.	2.5	71
6	Comparison and reproducibility of 2 regions of reference for maxillary regional registration with cone-beam computed tomography. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 149, 533-542.	1.7	56
7	Is the airway volume being correctly analyzed?. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 141, 657-661.	1.7	53
8	Dentofacial morphology of mouth breathing children. Brazilian Dental Journal, 2002, 13, 129-132.	1.1	52
9	Coating stability and surface characteristics of esthetic orthodontic coated archwires. Angle Orthodontist, 2013, 83, 994-1001.	2.4	47
10	Bone-anchored maxillary protraction therapy in patients with unilateral complete cleft lip and palate: 3-dimensional assessment of maxillary effects. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 152, 327-335.	1.7	46
11	Reliability of upper airway linear, area, and volumetric measurements in cone-beam computed tomography. American Journal of Orthodontics and Dentofacial Orthopedics, 2014, 145, 188-197.	1.7	45
12	Genetic polymorphisms underlying the skeletal Class III phenotype. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 151, 700-707.	1.7	45
13	Color stability and fluorescence of different orthodontic esthetic archwires. Angle Orthodontist, 2013, 83, 127-132.	2.4	42
14	Initial changes in pulpal microvasculature during orthodontic tooth movement: a stereological study. European Journal of Orthodontics, 2005, 28, 217-220.	2.4	40
15	Longitudinal study of anteroposterior and vertical maxillary changes in skeletal class II patients treated with Kloehn cervical headgear. Angle Orthodontist, 2003, 73, 187-93.	2.4	37
16	Incorporating 3-dimensional models in online articles. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 147, S195-S204.	1.7	34
17	Mandibular permanent first molar and incisor width as predictor of mandibular canine and premolar width. American Journal of Orthodontics and Dentofacial Orthopedics, 2007, 132, 340-345.	1.7	33
18	Shear bond strength of brackets bonded with hydrophilic and hydrophobic bond systems under contamination. Angle Orthodontist, 2010, 80, 963-967.	2.4	33

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19	Three-dimensional assessment of pharyngeal airway in nasal- and mouth-breathing children. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2011, 75, 1195-1199.	1.0	33
20	Shear bond strength of orthodontic brackets to enamel under different surface treatment conditions. <i>Journal of Applied Oral Science</i> , 2007, 15, 127-130.	1.8	29
21	Soft Tissue Changes Measured With Three-Dimensional Software Provides New Insights for Surgical Predictions. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 2191-2201.	1.2	29
22	Long-term dental and skeletal changes in patients submitted to surgically assisted rapid maxillary expansion: A meta-analysis. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012, 114, 689-697.	0.4	27
23	Mandibular changes in skeletal class II patients treated with KloeHN cervical headgear. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2003, 124, 83-90.	1.7	26
24	Microbiological Evaluation of Elastomeric Chains. <i>Angle Orthodontist</i> , 2007, 77, 890-893.	2.4	26
25	Long-term maxillary changes in patients with skeletal Class II malocclusion treated with slow and rapid palatal expansion. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008, 134, 383-388.	1.7	26
26	Superimposition of maxillary digital models using the palatal rugae: Does ageing affect the reliability?. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 183-193.	2.8	26
27	Cross-section dimensions and mechanical properties of esthetic orthodontic coated archwires. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013, 143, S85-S91.	1.7	25
28	Severe root resorption and orthodontic treatment: Clinical implications after 25 years of follow-up. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2011, 139, S166-S169.	1.7	23
29	Angle Class III malocclusion treated with mandibular first molar extractions. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2012, 142, 384-392.	1.7	23
30	Software comparison to analyze bone radiomics from high resolution CBCT scans of mandibular condyles. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20190049.	2.7	23
31	Initial pulp changes during orthodontic movement: histomorphological evaluation. <i>Brazilian Dental Journal</i> , 2007, 18, 34-39.	1.1	21
32	Systematic review and meta-analysis: What are the implications in the clinical practice?. <i>Dental Press Journal of Orthodontics</i> , 2015, 20, 17-19.	0.9	21
33	Cytotoxicity of intermaxillary orthodontic elastics of different colors: an in vitro study. <i>Journal of Applied Oral Science</i> , 2009, 17, 326-329.	1.8	20
34	3D superimposition of craniofacial imaging – The utility of multicentre collaborations. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 213-220.	2.8	19
35	Spontaneous correction of Class II malocclusion after rapid palatal expansion. <i>Angle Orthodontist</i> , 2003, 73, 745-52.	2.4	19
36	Accuracy of biomarkers obtained from cone beam computed tomography in assessing the internal trabecular structure of the mandibular condyle. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 124, 588-599.	0.4	18

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37	The Role of Ellisâ€Van Creveld 2 (<i>EVC2</i>) in Mice During Cranial Bone Development. Anatomical Record, 2018, 301, 46-55.	1.4	18
38	Is it possible to re-use mini-implants for orthodontic anchorage? Results of an in vitro study. Materials Research, 2010, 13, 521-525.	1.3	17
39	Biocompatibility of orthodontic adhesives in rat subcutaneous tissue. Journal of Applied Oral Science, 2010, 18, 503-508.	1.8	17
40	Cytotoxicity of latex and non-latex orthodontic elastomeric ligatures on L929 mouse fibroblasts. Brazilian Dental Journal, 2010, 21, 205-210.	1.1	17
41	Effect of autoclaving on the fracture torque of miniâ€implants used for orthodontic anchorage. Journal of Orthodontics, 2011, 38, 15-20.	1.0	16
42	Clinical evaluation of the failure rates of metallic brackets. Journal of Applied Oral Science, 2012, 20, 228-234.	1.8	16
43	Comparison of shear bond strength of orthodontics brackets on composite resin restorations with different surface treatments. Dental Press Journal of Orthodontics, 2013, 18, 98-103.	0.9	16
44	Long-term Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Slow and Rapid Maxillary Expansion. Angle Orthodontist, 2007, 77, 870-874.	2.4	15
45	Natural changes of the maxillary first molars in adolescents with skeletal Class II malocclusion. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, 775-781.	1.7	15
46	Efficiency of different protocols for enamel clean-up after bracket debonding: an in vitro study. Dental Press Journal of Orthodontics, 2015, 20, 78-85.	0.9	15
47	ExtraÃ§Ãµes dentÃ¡rias em Ortodontia: avaliaÃ§Ã£o de elementos de diagnÃ³stico. Dental Press Journal of Orthodontics, 2010, 15, 134-157.	0.9	14
48	One-component self-etching primer: a seventh generation of orthodontic bonding system?. European Journal of Orthodontics, 2010, 32, 567-570.	2.4	14
49	Influence of exogenous pigmentation on the optical properties of orthodontic elastic ligatures. Journal of Applied Oral Science, 2012, 20, 462-466.	1.8	14
50	Measurement error and reliability of three available 3D superimposition methods in growing patients. Head & Face Medicine, 2020, 16, 1.	2.1	14
51	Orthodontic movement in traumatically intruded teeth: a case report. Dental Traumatology, 2003, 19, 292-295.	2.0	13
52	Mandibular Behavior with Slow and Rapid Maxillary Expansion in Skeletal Class II Patients. Angle Orthodontist, 2007, 77, 625-631.	2.4	13
53	Assessment of exogenous pigmentation in colourless elastic ligatures. Journal of Orthodontics, 2014, 41, 147-151.	1.0	13
54	Validation of CBCT for the computation of textural biomarkers. , 2015, 9417, .		13

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55	Transposition of a canine to the extraction site of a dilacerated maxillary central incisor. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 135, S133-S139.	1.7	12
56	A Ciliary Protein EVC2/LIMBIN Plays a Critical Role in the Skull Base for Mid-Facial Development. Frontiers in Physiology, 2018, 9, 1484.	2.8	12
57	Three-dimensional assessment of mandibular asymmetry in skeletal Class I and unilateral crossbite malocclusion in different age groups. American Journal of Orthodontics and Dentofacial Orthopedics, 2020, 158, 209-220.	1.7	12
58	Three-dimensional characterization of root morphology for maxillary incisors. PLoS ONE, 2017, 12, e0178728.	2.5	12
59	Three-dimensional evaluation of skeletal and dental effects of treatment with maxillary skeletal expansion. American Journal of Orthodontics and Dentofacial Orthopedics, 2022, 161, 666-678.	1.7	12
60	Confiabilidade do uso de modelos digitais tridimensionais como exame auxiliar ao diagnóstico ortodântico: um estudo piloto. Revista Dental Press De Ortodontia E Ortopedia Facial, 2007, 12, 84-93.	0.2	11
61	Lowe syndrome: literature review and case report. Journal of Orthodontics, 2008, 35, 156-160.	1.0	11
62	Influence of cortical thickness on the stability of mini-implants with microthreads. Brazilian Oral Research, 2015, 29, 1-7.	1.4	11
63	Condyle-glenoid fossa relationship after Herbst appliance treatment during two stages of craniofacial skeletal maturation: A retrospective study. Orthodontics and Craniofacial Research, 2019, 22, 345-353.	2.8	11
64	Diagnostic index: an open-source tool to classify TMJ OA condyles. , 2017, 10137, .		10
65	Three-dimensional quantitative assessment of surgical stability and condylar displacement changes after counterclockwise maxillomandibular advancement surgery: Effect of simultaneous articular disc repositioning. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 154, 221-233.	1.7	10
66	Three-dimensional assessment of craniofacial asymmetry in children with transverse maxillary deficiency after rapid maxillary expansion: A prospective study. Orthodontics and Craniofacial Research, 2020, 23, 300-312.	2.8	10
67	Prevalence of mandibular asymmetry in different skeletal sagittal patterns:. Angle Orthodontist, 2022, 92, 118-126.	2.4	10
68	Influence of Screw Length and Bone Thickness on the Stability of Temporary Implants. Materials, 2015, 8, 6558-6569.	2.9	9
69	Three-dimensional comparison of the skeletal and dentoalveolar effects of the Herbst and Pendulum appliances followed by fixed appliances: A CBCT study. Orthodontics and Craniofacial Research, 2020, 23, 72-81.	2.8	9
70	Shear Bond Strength of Brackets Bonded to Enamel with a Self-Etching Primer. Angle Orthodontist, 2009, 79, 133-137.	2.4	8
71	Multidisciplinary approach to a traumatized unerupted dilacerated maxillary central incisor. Angle Orthodontist, 2012, 82, 739-747.	2.4	8
72	Dental long axes using digital dental models compared to cone-beam computed tomography. Orthodontics and Craniofacial Research, 2022, 25, 64-72.	2.8	8

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73	Mandibular condylar remodeling characteristics after simultaneous condylectomy and orthognathic surgery. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 160, 705-717.	1.7	8
74	3D Slicer Craniomaxillofacial Modules Support Patient-Specific Decision-Making for Personalized Healthcare in Dental Research. Lecture Notes in Computer Science, 2020, 12445, 44-53.	1.3	8
75	Estudo comparativo in vitro da resistÃancia ao cisalhamento da colagem e do Ãndice de remanescente adesivo entre os compÃsitos Concise e Fill Magic. Revista Dental Press De Ortodontia E Ortopedia Facial, 2006, 11, 76-80.	0.2	8
76	Stability of smooth and rough mini-implants: clinical and biomechanical evaluation - an in vivostudy. Dental Press Journal of Orthodontics, 2015, 20, 35-42.	0.9	7
77	Are temporomandibular disorders associated with facial asymmetry? A systematic review and metaâ€analysis. Orthodontics and Craniofacial Research, 2021, 24, 1-16.	2.8	7
78	Three-dimensional mandibular dental changes with aging. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 184-192.	1.7	7
79	<scp>Threeâ€dimensional</scp> comparison of boneâ€borne and toothâ€borne maxillary expansion in young adults with maxillary skeletal deficiency. Orthodontics and Craniofacial Research, 2023, 26, 151-162.	2.8	7
80	Orthodontic treatment of a patient with Lowe syndrome. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 140, 562-568.	1.7	6
81	Miniscrew-supported coil spring for molar uprighting: description. Dental Press Journal of Orthodontics, 2013, 18, 45-49.	0.9	6
82	Three-dimensional dental and craniofacial manifestations in patients with late diagnosis of mucopolysaccharidosis type II: report of 2 cases. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2018, 126, e35-e39.	0.4	6
83	Comparison of linear and angular changes assessed in digital dental models and coneâ€beam computed tomography. Orthodontics and Craniofacial Research, 2020, 23, 118-128.	2.8	6
84	Maxillary dentoskeletal outcomes of the expander with differential opening and the fan-type expander: a randomized controlled trial. Clinical Oral Investigations, 2021, 25, 5247-5256.	3.0	6
85	Relapse of a maxillary median diastema: Closure and permanent retention. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 141, e23-e27.	1.7	5
86	Maxillary incisor retraction: evaluation of different mechanisms. Dental Press Journal of Orthodontics, 2013, 18, 101-107.	0.9	5
87	Quantification of threeâ€dimensional morphology of craniofacial mineralized tissue defects in Tgfb2/Osxâ€Cre mice. Oral Science International, 2021, 18, 193-202.	0.7	5
88	Three-dimensional evaluation of dental decompensation and mandibular symphysis remodeling on orthodontic-surgical treatment of Class III malocclusion. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 175-183.e3.	1.7	5
89	Insertion torque versus mechanical resistance of mini- implants inserted in different cortical thickness. Dental Press Journal of Orthodontics, 2014, 19, 90-94.	0.9	4
90	Three-dimensional assessment of the middle cranial fossa and central skull base following Herbst appliance treatment. Angle Orthodontist, 2018, 88, 757-764.	2.4	4

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91	Three-dimensional cone-beam computed technology evaluation of skeletal and dental changes in growing patients with Class II malocclusion treated with the cervical pull face-bow headgear appliance. American Journal of Orthodontics and Dentofacial Orthopedics, 2022, 162, 491-501.	1.7	4
92	Sustainability in Orthodontics: what can we do to save our planet?. Dental Press Journal of Orthodontics, 2017, 22, 113-117.	0.9	3
93	Novel application and validation of in vivo micro-CT to study bone modelling in 3D. Orthodontics and Craniofacial Research, 2019, 22, 90-95.	2.8	3
94	Tomographic analysis of midpalatal suture prior to rapid maxillary expansion. Dental Press Journal of Orthodontics, 2021, 26, e2119300.	0.9	3
95	Three-dimensional changes in root angulation of buccal versus palatal maxillary impacted canines after orthodontic traction: A retrospective before and after study. International Orthodontics, 2021, 19, 216-227.	1.9	3
96	Challenges in measuring angles between craniofacial structures. Journal of Applied Oral Science, 2019, 27, e20180380.	1.8	2
97	Comparison and reproducibility of three methods for maxillary digital dental model registration in open bite patients. Orthodontics and Craniofacial Research, 2021, , .	2.8	2
98	Midface Morphology and Growth in Syndromic Craniosynostosis Patients Following Frontofacial Monobloc Distraction. Journal of Craniofacial Surgery, 2021, 32, 87-91.	0.7	2
99	The influence of protective varnish on the integrity of orthodontic cements. Dental Press Journal of Orthodontics, 2013, 18, 45-50.	0.9	1
100	Authors'™ response. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 398-400.	1.7	1
101	Orthodontic and Orthognathic Surgery Planning and Simulation Software. , 2018, , 715-743.		0
102	Directions of mandibular canal displacement in ameloblastoma: A computed tomography mirrored-method analysis. Imaging Science in Dentistry, 2021, 51, 17.	1.8	0
103	Orthodontic Movement of Posterior Teeth into a Corticocancellous Bone-Block Allograft Area. Journal of Clinical Orthodontics: JCO, 2016, 50, 427-36.	0.1	0
104	Retreatment of a skeletal class III malocclusion using mandibular extra-alveolar mini-implants.. Journal of Clinical Orthodontics: JCO, 2021, 55, 561-570.	0.1	0