

Antonio Carlos de Oliveira Ruellas

List of Publications by Year in descending order

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Version: 2024-02-01

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	<scp>Three-dimensional</scp> comparison of boneâ€borne and toothâ€borne maxillary expansion in young adults with maxillary skeletal deficiency. <i>Orthodontics and Craniofacial Research</i> , 2023, 26, 151-162.	2.8	7
2	Dental long axes using digital dental models compared to coneâ€beam computed tomography. <i>Orthodontics and Craniofacial Research</i> , 2022, 25, 64-72.	2.8	8
3	Prevalence of mandibular asymmetry in different skeletal sagittal patterns:. <i>Angle Orthodontist</i> , 2022, 92, 118-126.	2.4	10
4	Three-dimensional evaluation of skeletal and dental effects of treatment with maxillary skeletal expansion. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2022, 161, 666-678.	1.7	12
5	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. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2022, 162, 491-501.	1.7	4
6	Are temporomandibular disorders associated with facial asymmetry? A systematic review and metaâ€analysis. <i>Orthodontics and Craniofacial Research</i> , 2021, 24, 1-16.	2.8	7
7	Tomographic analysis of midpalatal suture prior to rapid maxillary expansion. <i>Dental Press Journal of Orthodontics</i> , 2021, 26, e2119300.	0.9	3
8	Quantification of threeâ€dimensional morphology of craniofacial mineralized tissue defects in <i>Tgfb2/Osxâ€Cre</i> mice. <i>Oral Science International</i> , 2021, 18, 193-202.	0.7	5
9	Directions of mandibular canal displacement in ameloblastoma: A computed tomography mirrored-method analysis. <i>Imaging Science in Dentistry</i> , 2021, 51, 17.	1.8	0
10	Maxillary dentoskeletal outcomes of the expander with differential opening and the fan-type expander: a randomized controlled trial. <i>Clinical Oral Investigations</i> , 2021, 25, 5247-5256.	3.0	6
11	Three-dimensional mandibular dental changes with aging. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 184-192.	1.7	7
12	Three-dimensional evaluation of dental decompensation and mandibular symphysis remodeling on orthodontic-surgical treatment of Class III malocclusion. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 175-183.e3.	1.7	5
13	Three-dimensional changes in root angulation of buccal versus palatal maxillary impacted canines after orthodontic traction: A retrospective before and after study. <i>International Orthodontics</i> , 2021, 19, 216-227.	1.9	3
14	Mandibular condylar remodeling characteristics after simultaneous condylectomy and orthognathic surgery. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 160, 705-717.	1.7	8
15	Comparison and reproducibility of three methods for maxillary digital dental model registration in open bite patients. <i>Orthodontics and Craniofacial Research</i> , 2021, , .	2.8	2
16	Midface Morphology and Growth in Syndromic Craniosynostosis Patients Following Frontofacial Monobloc Distraction. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 87-91.	0.7	2
17	Retreatment of a skeletal class III malocclusion using mandibular extra-alveolar mini-implants.. <i>Journal of Clinical Orthodontics: JCO</i> , 2021, 55, 561-570.	0.1	0
18	Comparison of linear and angular changes assessed in digital dental models and coneâ€beam computed tomography. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 118-128.	2.8	6

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19	Three-dimensional comparison of the skeletal and dentoalveolar effects of the Herbst and Pendulum appliances followed by fixed appliances: A CBCT study. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 72-81.	2.8	9
20	Osteoarthritis of the Temporomandibular Joint can be diagnosed earlier using biomarkers and machine learning. <i>Scientific Reports</i> , 2020, 10, 8012.	3.3	71
21	Measurement error and reliability of three available 3D superimposition methods in growing patients. <i>Head & Face Medicine</i> , 2020, 16, 1.	2.1	14
22	Three-dimensional assessment of craniofacial asymmetry in children with transverse maxillary deficiency after rapid maxillary expansion: A prospective study. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 300-312.	2.8	10
23	3D Slicer Craniomaxillofacial Modules Support Patient-Specific Decision-Making for Personalized Healthcare in Dental Research. <i>Lecture Notes in Computer Science</i> , 2020, 12445, 44-53.	1.3	8
24	Three-dimensional assessment of mandibular asymmetry in skeletal Class I and unilateral crossbite malocclusion in different age groups. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2020, 158, 209-220.	1.7	12
25	Condyle-glenoid fossa relationship after Herbst appliance treatment during two stages of craniofacial skeletal maturation: A retrospective study. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 345-353.	2.8	11
26	Challenges in measuring angles between craniofacial structures. <i>Journal of Applied Oral Science</i> , 2019, 27, e20180380.	1.8	2
27	Software comparison to analyze bone radiomics from high resolution CBCT scans of mandibular condyles. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20190049.	2.7	23
28	Novel application and validation of in vivo micro-CT to study bone modelling in 3D. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 90-95.	2.8	3
29	3D superimposition of craniofacial imaging – The utility of multicentre collaborations. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 213-220.	2.8	19
30	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
31	Three-dimensional dental and craniofacial manifestations in patients with late diagnosis of mucopolysaccharidosis type II: report of 2 cases. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 126, e35-e39.	0.4	6
32	Orthodontic and Orthognathic Surgery Planning and Simulation Software. , 2018, , 715-743.		0
33	The Role of Ellis-Van Creveld 2 (EVC2) in Mice During Cranial Bone Development. <i>Anatomical Record</i> , 2018, 301, 46-55.	1.4	18
34	A Ciliary Protein EVC2/LIMBIN Plays a Critical Role in the Skull Base for Mid-Facial Development. <i>Frontiers in Physiology</i> , 2018, 9, 1484.	2.8	12
35	Three-dimensional assessment of the middle cranial fossa and central skull base following Herbst appliance treatment. <i>Angle Orthodontist</i> , 2018, 88, 757-764.	2.4	4
36	Three-dimensional quantitative assessment of surgical stability and condylar displacement changes after counterclockwise maxillomandibular advancement surgery: Effect of simultaneous articular disc repositioning. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 154, 221-233.	1.7	10

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37	Diagnostic index: an open-source tool to classify TMJ OA condyles. , 2017, 10137, .		10
38	Soft Tissue Changes Measured With Three-Dimensional Software Provides New Insights for Surgical Predictions. Journal of Oral and Maxillofacial Surgery, 2017, 75, 2191-2201.	1.2	29
39	Genetic polymorphisms underlying the skeletal Class III phenotype. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 151, 700-707.	1.7	45
40	Accuracy of biomarkers obtained from cone beam computed tomography in assessing the internal trabecular structure of the mandibular condyle. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2017, 124, 588-599.	0.4	18
41	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
42	Sustainability in Orthodontics: what can we do to save our planet?. Dental Press Journal of Orthodontics, 2017, 22, 113-117.	0.9	3
43	Three-dimensional characterization of root morphology for maxillary incisors. PLoS ONE, 2017, 12, e0178728.	2.5	12
44	Common 3-dimensional coordinate system for assessment of directional changes. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 149, 645-656.	1.7	83
45	Authors'™ response. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 398-400.	1.7	1
46	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
47	3D Mandibular Superimposition: Comparison of Regions of Reference for Voxel-Based Registration. PLoS ONE, 2016, 11, e0157625.	2.5	71
48	Orthodontic Movement of Posterior Teeth into a Corticocancellous Bone-Block Allograft Area. Journal of Clinical Orthodontics: JCO, 2016, 50, 427-36.	0.1	0
49	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
50	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
51	Influence of Screw Length and Bone Thickness on the Stability of Temporary Implants. Materials, 2015, 8, 6558-6569.	2.9	9
52	Systematic review and meta-analysis: What are the implications in the clinical practice?. Dental Press Journal of Orthodontics, 2015, 20, 17-19.	0.9	21
53	Influence of cortical thickness on the stability of mini-implants with microthreads. Brazilian Oral Research, 2015, 29, 1-7.	1.4	11
54	Incorporating 3-dimensional models in online articles. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 147, S195-S204.	1.7	34

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55	Validation of CBCT for the computation of textural biomarkers. , 2015, 9417, .		13
56	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
57	Assessment of exogenous pigmentation in colourless elastic ligatures. Journal of Orthodontics, 2014, 41, 147-151.	1.0	13
58	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
59	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
60	Cross-section dimensions and mechanical properties of esthetic orthodontic coated archwires. American Journal of Orthodontics and Dentofacial Orthopedics, 2013, 143, S85-S91.	1.7	25
61	Coating stability and surface characteristics of esthetic orthodontic coated archwires. Angle Orthodontist, 2013, 83, 994-1001.	2.4	47
62	Color stability and fluorescence of different orthodontic esthetic archwires. Angle Orthodontist, 2013, 83, 127-132.	2.4	42
63	Miniscrew-supported coil spring for molar uprighting: description. Dental Press Journal of Orthodontics, 2013, 18, 45-49.	0.9	6
64	Maxillary incisor retraction: evaluation of different mechanisms. Dental Press Journal of Orthodontics, 2013, 18, 101-107.	0.9	5
65	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
66	The influence of protective varnish on the integrity of orthodontic cements. Dental Press Journal of Orthodontics, 2013, 18, 45-50.	0.9	1
67	Multidisciplinary approach to a traumatized unerupted dilacerated maxillary central incisor. Angle Orthodontist, 2012, 82, 739-747.	2.4	8
68	Angle Class III malocclusion treated with mandibular first molar extractions. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 142, 384-392.	1.7	23
69	Long-term dental and skeletal changes in patients submitted to surgically assisted rapid maxillary expansion: A meta-analysis. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 114, 689-697.	0.4	27
70	Clinical evaluation of the failure rates of metallic brackets. Journal of Applied Oral Science, 2012, 20, 228-234.	1.8	16
71	Influence of exogenous pigmentation on the optical properties of orthodontic elastic ligatures. Journal of Applied Oral Science, 2012, 20, 462-466.	1.8	14
72	Relapse of a maxillary median diastema: Closure and permanent retention. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 141, e23-e27.	1.7	5

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73	Is the airway volume being correctly analyzed?. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 141, 657-661.	1.7	53
74	Three-dimensional assessment of pharyngeal airway in nasal- and mouth-breathing children. International Journal of Pediatric Otorhinolaryngology, 2011, 75, 1195-1199.	1.0	33
75	Severe root resorption and orthodontic treatment: Clinical implications after 25 years of follow-up. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 139, S166-S169.	1.7	23
76	Orthodontic treatment of a patient with Lowe syndrome. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 140, 562-568.	1.7	6
77	Effect of autoclaving on the fracture torque of mini-implants used for orthodontic anchorage. Journal of Orthodontics, 2011, 38, 15-20.	1.0	16
78	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
79	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
80	Extra-óculos dentários em Ortodontia: avaliação de elementos de diagnóstico. Dental Press Journal of Orthodontics, 2010, 15, 134-157.	0.9	14
81	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
82	Biocompatibility of orthodontic adhesives in rat subcutaneous tissue. Journal of Applied Oral Science, 2010, 18, 503-508.	1.8	17
83	Cytotoxicity of latex and non-latex orthodontic elastomeric ligatures on L929 mouse fibroblasts. Brazilian Dental Journal, 2010, 21, 205-210.	1.1	17
84	One-component self-etching primer: a seventh generation of orthodontic bonding system?. European Journal of Orthodontics, 2010, 32, 567-570.	2.4	14
85	Shear bond strength of brackets bonded with hydrophilic and hydrophobic bond systems under contamination. Angle Orthodontist, 2010, 80, 963-967.	2.4	33
86	Cytotoxicity of intermaxillary orthodontic elastics of different colors: an in vitro study. Journal of Applied Oral Science, 2009, 17, 326-329.	1.8	20
87	Shear Bond Strength of Brackets Bonded to Enamel with a Self-Etching Primer. Angle Orthodontist, 2009, 79, 133-137.	2.4	8
88	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
89	Long-term maxillary changes in patients with skeletal Class II malocclusion treated with slow and rapid palatal expansion. American Journal of Orthodontics and Dentofacial Orthopedics, 2008, 134, 383-388.	1.7	26
90	Lowe syndrome: literature review and case report. Journal of Orthodontics, 2008, 35, 156-160.	1.0	11

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91	Mandibular Behavior with Slow and Rapid Maxillary Expansion in Skeletal Class II Patients. Angle Orthodontist, 2007, 77, 625-631.	2.4	13
92	Microbiological Evaluation of Elastomeric Chains. Angle Orthodontist, 2007, 77, 890-893.	2.4	26
93	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
94	Initial pulp changes during orthodontic movement: histomorphological evaluation. Brazilian Dental Journal, 2007, 18, 34-39.	1.1	21
95	Shear bond strength of orthodontic brackets to enamel under different surface treatment conditions. Journal of Applied Oral Science, 2007, 15, 127-130.	1.8	29
96	Confiabilidade do uso de modelos digitais tridimensionais como exame auxiliar ao diagnóstico ortodôntico: um estudo piloto. Revista Dental Press De Ortodontia E Ortopedia Facial, 2007, 12, 84-93.	0.2	11
97	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
98	Estudo comparativo in vitro da resistência ao cisalhamento da colagem e do Índice de remanescente adesivo entre os compostos Concise e Fill Magic. Revista Dental Press De Ortodontia E Ortopedia Facial, 2006, 11, 76-80.	0.2	8
99	Initial changes in pulpal microvasculature during orthodontic tooth movement: a stereological study. European Journal of Orthodontics, 2005, 28, 217-220.	2.4	40
100	Mandibular changes in skeletal class II patients treated with Kloehn cervical headgear. American Journal of Orthodontics and Dentofacial Orthopedics, 2003, 124, 83-90.	1.7	26
101	Orthodontic movement in traumatically intruded teeth: a case report. Dental Traumatology, 2003, 19, 292-295.	2.0	13
102	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
103	Spontaneous correction of Class II malocclusion after rapid palatal expansion. Angle Orthodontist, 2003, 73, 745-52.	2.4	19
104	Dentofacial morphology of mouth breathing children. Brazilian Dental Journal, 2002, 13, 129-132.	1.1	52