

# Lucia Helena Soares Cevidanes

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

1,792  
citations

331538

21  
h-index

302012

39  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1295  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodological parameters for upper airway assessment by cone-beam computed tomography in adults with obstructive sleep apnea: a systematic review of the literature and meta-analysis. <i>Sleep and Breathing</i> , 2023, 27, 1-30.	0.9	9
2	<scp>Threeâ€³dimensional</scp> comparison of boneâ€³borne and toothâ€³borne maxillary expansion in young adults with maxillary skeletal deficiency. <i>Orthodontics and Craniofacial Research</i> , 2023, 26, 151-162.	1.2	7
3	Dental long axes using digital dental models compared to coneâ€³beam computed tomography. <i>Orthodontics and Craniofacial Research</i> , 2022, 25, 64-72.	1.2	8
4	Three-dimensional craniofacial characteristics associated with obstructive sleep apnea severity and treatment outcomes. <i>Clinical Oral Investigations</i> , 2022, 26, 875-887.	1.4	7
5	Orthodontistsâ€™ criteria for prescribing cone-beam computed tomographyâ€”a multi-country survey. <i>Clinical Oral Investigations</i> , 2022, 26, 1625-1636.	1.4	4
6	Prevalence of mandibular asymmetry in different skeletal sagittal patterns:. <i>Angle Orthodontist</i> , 2022, 92, 118-126.	1.1	10
7	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.	0.8	4
8	Directions of mandibular canal displacement in ameloblastoma: A computed tomography mirrored-method analysis. <i>Imaging Science in Dentistry</i> , 2021, 51, 17.	0.6	0
9	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.	1.4	6
10	Three-dimensional mandibular dental changes with aging. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 184-192.	0.8	7
11	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.	0.8	5
12	Buccal bone defects and transversal tooth movement of mandibular lateral segments in patients after orthodontic treatment with and without piezocision: A case-control retrospective study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, e233-e243.	0.8	8
13	Long-term stability and condylar remodeling after mandibular advancement: A 5-year follow-up. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 613-626.	0.8	7
14	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.	0.6	3
15	Decision Support Systems in Temporomandibular Joint Osteoarthritis: A review of Data Science and Artificial Intelligence Applications. <i>Seminars in Orthodontics</i> , 2021, 27, 78-86.	0.8	16
16	Mandibular condylar remodeling characteristics after simultaneous condylectomy and orthognathic surgery. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 160, 705-717.	0.8	8
17	Radiographic interpretation using high-resolution Cbct to diagnose degenerative temporomandibular joint disease. <i>PLoS ONE</i> , 2021, 16, e0255937.	1.1	9
18	Comparison and reproducibility of three methods for maxillary digital dental model registration in open bite patients. <i>Orthodontics and Craniofacial Research</i> , 2021, , .	1.2	2

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19	Three dimensional movement analysis of maxillary impacted canine using TADs: a pilot study. <i>Head &amp; Face Medicine</i> , 2021, 17, 1.	0.8	13
20	Merging and Annotating Teeth and Roots from Automated Segmentation of Multimodal Images. <i>Lecture Notes in Computer Science</i> , 2021, , 81-92.	1.0	4
21	Automatic Segmentation of Dental Root Canal and Merging with Crown Shape. , 2021, 2021, 2948-2951.		4
22	Comparison of linear and angular changes assessed in digital dental models and cone-beam computed tomography. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 118-128.	1.2	6
23	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.	1.2	9
24	A three-dimensional analysis of primary failure of eruption in humans and mice. <i>Oral Diseases</i> , 2020, 26, 391-400.	1.5	14
25	Osteoarthritis of the Temporomandibular Joint can be diagnosed earlier using biomarkers and machine learning. <i>Scientific Reports</i> , 2020, 10, 8012.	1.6	71
26	Measurement error and reliability of three available 3D superimposition methods in growing patients. <i>Head &amp; Face Medicine</i> , 2020, 16, 1.	0.8	14
27	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.	1.2	10
28	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.	1.0	8
29	Patient Specific Classification of Dental Root Canal and Crown Shape. <i>Lecture Notes in Computer Science</i> , 2020, 12474, 145-153.	1.0	9
30	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.	0.8	12
31	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.	1.2	11
32	Challenges in measuring angles between craniofacial structures. <i>Journal of Applied Oral Science</i> , 2019, 27, e20180380.	0.7	2
33	Software comparison to analyze bone radiomics from high resolution CBCT scans of mandibular condyles. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20190049.	1.3	23
34	3D superimposition of craniofacial imaging – The utility of multicentre collaborations. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 213-220.	1.2	19
35	Three-dimensional analysis of condylar changes in surgical correction for open bite patients with skeletal class II and class III malocclusions. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 739-745.	0.7	10
36	Accuracy and reliability of mandibular digital model registration with use of the mucogingival junction as the reference. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2019, 127, 351-360.	0.2	20

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37	Shape variation analyzer: a classifier for temporomandibular joint damaged by osteoarthritis. , 2019, 10950, .		9
38	Advanced statistical analysis to classify high dimensionality textural probability-distribution matrices. , 2019, 10953, .		1
39	A web-based system for statistical shape analysis in temporomandibular joint osteoarthritis. , 2019, 10953, .		3
40	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.	0.2	6
41	Precision and reliability of Dolphin 3-dimensional voxel-based superimposition. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 153, 599-606.	0.8	57
42	Bone-anchored maxillary protraction in a patient with complete cleft lip and palate: A case report. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 153, 290-297.	0.8	16
43	Three-dimensional mandibular regional superimposition in growing patients. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 153, 747-754.	0.8	37
44	Three-dimensional evaluation of the maxillary effects of two orthopaedic protocols for the treatment of Class III malocclusion: A prospective study. Orthodontics and Craniofacial Research, 2018, 21, 248-257.	1.2	13
45	A web-based system for neural network based classification in temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2018, 67, 45-54.	3.5	43
46	3D Comparison of Mandibular Response to Functional Appliances: Balters Bionator versus Sander Bite Jumping. BioMed Research International, 2018, 2018, 1-10.	0.9	9
47	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.	0.8	10
48	Detection of bone loss via subchondral bone analysis. , 2018, 10578, .		5
49	Federating heterogeneous datasets to enhance data sharing and experiment reproducibility. , 2017, 10137, .		3
50	Diagnostic index: an open-source tool to classify TMJ OA condyles. , 2017, 10137, .		10
51	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.	0.8	46
52	Mandibular and glenoid fossa changes after bone-anchored maxillary protraction therapy in patients with UCLP: A 3-D preliminary assessment. Angle Orthodontist, 2017, 87, 423-431.	1.1	24
53	Three-dimensional characterization of root morphology for maxillary incisors. PLoS ONE, 2017, 12, e0178728.	1.1	12
54	Common 3-dimensional coordinate system for assessment of directional changes. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 149, 645-656.	0.8	83

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55	Authors'™ response. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 398-400.	0.8	1
56	Dentoskeletal outcomes of a rapid maxillary expander with differential opening in patients with bilateral cleft lip and palate: A prospective clinical trial. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 564-574.	0.8	21
57	Congenital and acquired mandibular asymmetry: Mapping growth and remodeling in 3 dimensions. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 238-251.	0.8	21
58	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.	0.8	56
59	Cone beam computed tomography-based models versus multislice spiral computed tomography-based models for assessing condylar morphology. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2016, 121, 96-105.	0.2	8
60	3D Mandibular Superimposition: Comparison of Regions of Reference for Voxel-Based Registration. PLoS ONE, 2016, 11, e0157625.	1.1	71
61	Displacement of the Mandibular Condyles Immediately after Herbst Appliance Insertion - 3D Assessment. Turkish Journal of Orthodontics, 2016, 29, 31-37.	1.2	2
62	Diagnostic performance of skeletal maturity for the assessment of midpalatal suture maturation. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 148, 1010-1016.	0.8	60
63	Diagnostic index of three-dimensional osteoarthritic changes in temporomandibular joint condylar morphology. Journal of Medical Imaging, 2015, 2, 1.	0.8	20
64	Diagnostic index of 3D osteoarthritic changes in TMJ condylar morphology. , 2015, 9414, .		8
65	Validation of CBCT for the computation of textural biomarkers. , 2015, 9417, .		13
66	Digital live-tracking 3-dimensional minisensors for recording head orientation during image acquisition. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 141, 116-123.	0.8	14
67	Three-dimensional assessment of mandibular and glenoid fossa changes after bone-anchored Class III intermaxillary traction. American Journal of Orthodontics and Dentofacial Orthopedics, 2012, 142, 25-31.	0.8	74
68	Comparison of mesiodistal root angulation with posttreatment panoramic radiographs and cone-beam computed tomography. American Journal of Orthodontics and Dentofacial Orthopedics, 2011, 139, 126-132.	0.8	62
69	Outcome quantification using SPHARM-PDM toolbox in orthognathic surgery. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 617-626.	1.7	38
70	Clinical application of SPHARM-PDM to quantify temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2011, 35, 345-352.	3.5	53
71	Mandibular asymmetry characterization using generalized tensor-based morphometry. , 2011, 2011, 1175-1178.		3
72	Editor's Comment and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, S53-S55.	0.8	40

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73	SuperposiÃ§Ã£o automatizada de modelos tomogrÃ¡ficos tridimensionais em cirurgia ortognÃ¡tica. Dental Press Journal of Orthodontics, 2010, 15, 39-41.	0.2	28
74	AvaliaÃ§Ã£o da cirurgia de avanÃ§o mandibular por meio da superposiÃ§Ã£o de modelos tomogrÃ¡ficos tridimensionais. Dental Press Journal of Orthodontics, 2010, 15, 45e1-45e12.	0.2	22
75	Comparison of two protocols for maxillary protraction: bone anchors versus face mask with rapid maxillary expansion. Angle Orthodontist, 2010, 80, 799-806.	1.1	160
76	Precision of cephalometric landmark identification: Cone-beam computed tomography vs conventional cephalometric views. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 312.e1-312.e10.	0.8	149
77	Editor's Summary and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 312-313.	0.8	102