Lucia Helena Soares Cevidanes

List of Publications by Year
in descending order

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	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
2	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
3	Editor's Summary and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2009, 136, 312-313.	0.8	102
4	Common 3-dimensional coordinate system forÂassessment of directional changes. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 149, 645-656.	0.8	83
5	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
6	Osteoarthritis of the Temporomandibular Joint can be diagnosed earlier using biomarkers and machine learning. Scientific Reports, 2020, 10, 8012.	1.6	71
7	3D Mandibular Superimposition: Comparison of Regions of Reference for Voxel-Based Registration. PLoS ONE, 2016, 11, e0157625.	1.1	71
8	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
9	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
10	Precision and reliability of Dolphin 3-dimensional voxel-based superimposition. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 153, 599-606.	0.8	57
11	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
12	Clinical application of SPHARM-PDM to quantify temporomandibular joint osteoarthritis. Computerized Medical Imaging and Graphics, 2011, 35, 345-352.	3.5	53
13	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
14	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
15	Editor's Comment and Q&A. American Journal of Orthodontics and Dentofacial Orthopedics, 2010, 137, S53-S55.	0.8	40
16	Outcome quantification using SPHARM-PDM toolbox in orthognathic surgery. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 617-626.	1.7	38
17	Three-dimensional mandibular regional superimposition in growing patients. American Journal of Orthodontics and Dentofacial Orthopedics, 2018, 153, 747-754.	0.8	37
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Software comparison to analyze bone radiomics from high resolution CBCT scans of mandibular condyles. Dentomaxillofacial Radiology, 2019, 48, 20190049.	1.3	23
21	Avaliação da cirurgia de avanço mandibular por meio da superposição de modelos tomográficos tridimensionais. Dental Press Journal of Orthodontics, 2010, 15, 45e1-45e12.	0.2	22
22	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
23	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
24	Diagnostic index of three-dimensional osteoarthritic changes in temporomandibular joint condylar morphology. Journal of Medical Imaging, 2015, 2, 1.	0.8	20
25	Accuracy and reliability of mandibular digital model registration with use of the mucogingival junction as the reference. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2019, 127, 351-360.	0.2	20
26	3D superimposition of craniofacial imaging—The utility of multicentre collaborations. Orthodontics and Craniofacial Research, 2019, 22, 213-220.	1.2	19
27	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
28	Decision Support Systems in Temporomandibular Joint Osteoarthritis: A review of Data Science and Artificial Intelligence Applications. Seminars in Orthodontics, 2021, 27, 78-86.	0.8	16
29	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
30	A three‐dimensional analysis of primary failure of eruption in humans and mice. Oral Diseases, 2020, 26, 391-400.	1.5	14
31	Measurement error and reliability of three available 3D superimposition methods in growing patients. Head & Face Medicine, 2020, 16, 1.	0.8	14
32	Validation of CBCT for the computation of textural biomarkers. , 2015, 9417, .		13
33	Three‐dimensional evaluation of the maxillary effects of two orthopaedic protocols for the treatment of Class <scp>III</scp> malocclusion: A prospective study. Orthodontics and Craniofacial Research, 2018, 21, 248-257.	1.2	13
34	Three dimensional movement analysis of maxillary impacted canine using TADs: a pilot study. Head & Face Medicine, 2021, 17, 1.	0.8	13
35	Three-dimensional assessment of mandibular asymmetry in skeletal Class I and unilateral crossbite malocclusion inÂ3Âdifferent age groups. American Journal of Orthodontics and Dentofacial Orthopedics, 2020, 158, 209-220.	0.8	12
36	Three-dimensional characterization of root morphology for maxillary incisors. PLoS ONE, 2017, 12, e0178728.	1.1	12

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37	Condyleâ€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.	1.2	11
38	Diagnostic index: an open-source tool to classify TMJ OA condyles. , 2017, 10137, .		10
39	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
40	Three-dimensional analysis of condylar changes in surgical correction for open bite patients with skeletal class II and class III malocclusions. International Journal of Oral and Maxillofacial Surgery, 2019, 48, 739-745.	0.7	10
41	Threeâ€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.	1.2	10
42	Prevalence of mandibular asymmetry in different skeletal sagittal patterns:. Angle Orthodontist, 2022, 92, 118-126.	1.1	10
43	3D Comparison of Mandibular Response to Functional Appliances: Balters Bionator versus Sander Bite Jumping. BioMed Research International, 2018, 2018, 1-10.	0.9	9
44	Threeâ€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.	1.2	9
45	Radiographic interpretation using high-resolution Cbct to diagnose degenerative temporomandibular joint disease. PLoS ONE, 2021, 16, e0255937.	1.1	9
46	Patient Specific Classification of Dental Root Canal and Crown Shape. Lecture Notes in Computer Science, 2020, 12474, 145-153.	1.0	9
47	Shape variation analyzer: a classifier for temporomandibular joint damaged by osteoarthritis. , 2019, 10950, .		9
48	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. Sleep and Breathing, 2023, 27, 1-30.	0.9	9
49	Diagnostic index of 3D osteoarthritic changes in TMJ condylar morphology. , 2015, 9414, .		8
50	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
51	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. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, e233-e243.	0.8	8
52	Dental long axes using digital dental models compared to coneâ€beam computed tomography. Orthodontics and Craniofacial Research, 2022, 25, 64-72.	1.2	8
53	Mandibular condylar remodeling characteristics after simultaneous condylectomy and orthognathic surgery. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 160, 705-717.	0.8	8
54	3D Slicer Craniomaxillofacial Modules Support Patient-Specific Decision-Making for Personalized Healthcare in Dental Research. Lecture Notes in Computer Science, 2020, 12445, 44-53.	1.0	8

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55	Three-dimensional mandibular dental changes with aging. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 184-192.	0.8	7
56	Long-term stability and condylar remodeling after mandibular advancement: A 5-year follow-up. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 159, 613-626.	0.8	7
57	Three-dimensional craniofacial characteristics associated with obstructive sleep apnea severity and treatment outcomes. Clinical Oral Investigations, 2022, 26, 875-887.	1.4	7
58	<scp>Three–dimensional</scp> comparison of bone–borne and tooth–bone–borne maxillary expansion in young adults with maxillary skeletal deficiency. Orthodontics and Craniofacial Research, 2023, 26, 151-162.	1.2	7
59	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
60	Comparison of linear and angular changes assessed in digital dental models and cone–beam computed tomography. Orthodontics and Craniofacial Research, 2020, 23, 118-128.	1.2	6
61	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.	1.4	6
62	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.	0.8	5
63	Detection of bone loss via subchondral bone analysis. , 2018, 10578, .		5
64	Orthodontists' criteria for prescribing cone-beam computed tomography—a multi-country survey. Clinical Oral Investigations, 2022, 26, 1625-1636.	1.4	4
65	Merging and Annotating Teeth and Roots from Automated Segmentation of Multimodal Images. Lecture Notes in Computer Science, 2021, , 81-92.	1.0	4
66	Automatic Segmentation of Dental Root Canal and Merging with Crown Shape. , 2021, 2021, 2948-2951.		4
67	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.	0.8	4
68	Mandibular asymmetry characterization using generalized tensor-based morphometry. , 2011, 2011, 1175-1178.		3
69	Federating heterogeneous datasets to enhance data sharing and experiment reproducibility. , 2017, 10137, .		3
70	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.	0.6	3
71	A web-based system for statistical shape analysis in temporomandibular joint osteoarthritis. , 2019, 10953, .		3
72	Challenges in measuring angles between craniofacial structures. Journal of Applied Oral Science, 2019, 27, e20180380.	0.7	2

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73	Comparison and reproducibility of three methods for maxillary digital dental model registration in open bite patients. Orthodontics and Craniofacial Research, 2021, , .	1.2	2
74	Displacement of the Mandibular Condyles Immediately after Herbst Appliance Insertion - 3D Assessment. Turkish Journal of Orthodontics, 2016, 29, 31-37.	1.2	2
75	Authorsâ€™ response. American Journal of Orthodontics and Dentofacial Orthopedics, 2016, 150, 398-400.	0.8	1
76	Advanced statistical analysis to classify high dimensionality textural probability-distribution matrices. , 2019, 10953, .		1
77	Directions of mandibular canal displacement in ameloblastoma: A computed tomography mirrored-method analysis. Imaging Science in Dentistry, 2021, 51, 17.	0.6	0