Thomas J J Maal

List of Publications by Year in descending order

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	94433	138484
4,440	37	58
citations	h-index	g-index
	10.4	0004
124	124	3834
docs citations	times ranked	citing authors
	citations 124	4,44037citationsh-index124124

ΤΗΩΜΛS Η ΜΛΛΙ

#	Article	IF	CITATIONS
1	Development and validation of the patient-reported "Facial Function Scale―for facioscapulohumeral muscular dystrophy. Disability and Rehabilitation, 2023, 45, 1530-1535.	1.8	2
2	Strength testing of low-cost 3D-printed transtibial prosthetic socket. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2022, 236, 367-375.	1.8	10
3	Holographic Augmented Reality for DIEP Flap Harvest. Plastic and Reconstructive Surgery, 2021, 147, 25e-29e.	1.4	26
4	Validation of the OrthoGnathicAnalyser 2.0—3D accuracy assessment tool for bimaxillary surgery and genioplasty. PLoS ONE, 2021, 16, e0246196.	2.5	17
5	Advanced Diagnostics and Three-dimensional Virtual Surgical Planning in Orbital Reconstruction. Atlas of the Oral and Maxillofacial Surgery Clinics of North America, 2021, 29, 79-96.	1.0	5
6	Three-Dimensional Imaging of the Chest Wall: A Comparison Between Three Different Imaging Systems. Journal of Surgical Research, 2021, 259, 332-341.	1.6	9
7	Prediction ofÂtheÂFacial Growth Direction is Challenging. Communications in Computer and Information Science, 2021, , 665-673.	0.5	4
8	What is the value of 3D virtual reality in understanding acetabular fractures?. European Journal of Orthopaedic Surgery and Traumatology, 2020, 30, 109-116.	1.4	25
9	Virtual setup in orthodontics: planning and evaluation. Clinical Oral Investigations, 2020, 24, 2385-2393.	3.0	23
10	Reliability and Agreement of 3D Anthropometric Measurements in Facial Palsy Patients Using a Low-Cost 4D Imaging System. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1817-1824.	4.9	14
11	Photographic documentation and severity quantification of pectus excavatum through three-dimensional optical surface imaging. Journal of Visual Communication in Medicine, 2020, 43, 190-197.	0.6	6
12	Optical imaging versus CT and plain radiography to quantify pectus severity: a systematic review and meta-analysis. Journal of Thoracic Disease, 2020, 12, 1475-1487.	1.4	13
13	Improving Lives in Three Dimensions: The Feasibility of 3D Printing for Creating Personalized Medical Aids in a Rural Area of Sierra Leone. American Journal of Tropical Medicine and Hygiene, 2020, 102, 905-909.	1.4	15
14	Uniform 3D meshes to establish normative facial averages of healthy infants during the first year of life. PLoS ONE, 2019, 14, e0217267.	2.5	11
15	Comparison of 3-Dimensional and Augmented Reality Kidney Models With Conventional Imaging Data in the Preoperative Assessment of Children With Wilms Tumors. JAMA Network Open, 2019, 2, e192633.	5.9	53
16	Toward Holographic-Guided Surgery. Surgical Innovation, 2019, 26, 86-94.	0.9	79
17	Three-dimensional facial development of children with unilateral cleft lip and palate during the first year of life in comparison with normative average faces. PeerJ, 2019, 7, e7302.	2.0	12
18	Three-Dimensional Imaging of the Face: A Comparison Between Three Different Imaging Modalities. Aesthetic Surgery Journal, 2018, 38, 579-585.	1.6	74

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19	The facial effects of tooth wear rehabilitation as measured by 3D stereophotogrammetry. Journal of Dentistry, 2018, 73, 105-109.	4.1	6
20	Virtual Incision Pattern Planning using Three-Dimensional Images for Optimization of Syndactyly Surgery. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1694.	0.6	4
21	Effects of sterilization on the mechanical properties of poly(methyl methacrylate) based personalized medical devices. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 81, 168-172.	3.1	35
22	The advantages of advanced computer-assisted diagnostics and three-dimensional preoperative planning on implant position in orbital reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 715-721.	1.7	28
23	Should Virtual Mirroring Be Used in the Preoperative Planning of an Orbital Reconstruction?. Journal of Oral and Maxillofacial Surgery, 2018, 76, 380-387.	1.2	31
24	Implant-oriented navigation in orbital reconstruction. Part 1: technique and accuracy study. International Journal of Oral and Maxillofacial Surgery, 2018, 47, 395-402.	1.5	18
25	Validation of 3D documentation of palatal soft tissue shape, color, and irregularity with intraoral scanning. Clinical Oral Investigations, 2018, 22, 1303-1309.	3.0	38
26	Integration of digital dental casts in cone beam computed tomography scans—a clinical validation study. Clinical Oral Investigations, 2018, 22, 1215-1222.	3.0	20
27	Maxillofacial prosthetic rehabilitation: A survey on the quality of life. Journal of Prosthetic Dentistry, 2018, 120, 780-786.	2.8	33
28	Toward a higher accuracy in orthognathic surgery by using intraoperative computer navigation, 3D surgical guides, and/or customized osteosynthesis plates: A systematic review. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 2108-2119.	1.7	46
29	Accuracy of Three Software Applications for Breast Volume Calculations from Three-Dimensional Surface Images. Plastic and Reconstructive Surgery, 2018, 142, 858-865.	1.4	27
30	Applications and limitations of using patient-specific 3D printed molds in autologous breast reconstruction. European Journal of Plastic Surgery, 2018, 41, 571-576.	0.6	20
31	Postoperative socket irrigation with drinking tap water reduces the risk of inflammatory complications following surgical removal of third molars: a multicenter randomized trial. Clinical Oral Investigations, 2017, 21, 71-83.	3.0	22
32	A novel semi-automatic segmentation protocol for volumetric assessment of alveolar cleft grafting procedures. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 685-689.	1.7	30
33	A new method for three-dimensional evaluation of the cranial shape and the automatic identification of craniosynostosis using 3D stereophotogrammetry. International Journal of Oral and Maxillofacial Surgery, 2017, 46, 819-826.	1.5	43
34	Comparison of two- and three-dimensional assessment methods of nasolabial appearance in cleft lip and palate patients. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1220-1226.	1.7	15
35	The orbit first! A novel surgical treatment protocol for secondary orbitozygomatic reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1043-1050.	1.7	22
36	An innovative method of planning and displaying flap volume in DIEP flap breast reconstructions. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 871-875.	1.0	20

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37	Three-dimensional analysis of condylar remodeling and skeletal relapse following bimaxillary surgery: A 2-year follow-up study. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1311-1318.	1.7	24
38	The effects of surgically assisted rapid maxillary expansion (SARME) on the dental show and chin projection. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1835-1841.	1.7	12
39	Natural variation of the zygomaticomaxillary complex symmetry in normal individuals. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1927-1933.	1.7	13
40	Facial improvement after mandibular midline distraction and surgically assisted rapid maxillary expansion. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 152, 523-542.	1.7	0
41	Single-Step Resection of an Intraosseous Meningioma and Cranial Reconstruction: Technical Note. World Neurosurgery, 2017, 108, 225-229.	1.3	25
42	Immediate implant placement: the fate of the buccal crest. A retrospective cone beam computed tomography study. International Journal of Oral and Maxillofacial Surgery, 2017, 46, 1600-1606.	1.5	22
43	An accuracy study of computer-planned implant placement in the augmented maxilla using osteosynthesis screws. International Journal of Oral and Maxillofacial Surgery, 2017, 46, 511-517.	1.5	12
44	Depth accuracy of the RealSense F200: Low-cost 4D facial imaging. Scientific Reports, 2017, 7, 16263.	3.3	30
45	A New 3D Tool for Assessing the Accuracy of Bimaxillary Surgery: The OrthoGnathicAnalyser. PLoS ONE, 2016, 11, e0149625.	2.5	94
46	Accuracy of virtually 3D planned resection templates in mandibular reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1828-1832.	1.7	34
47	An analysis of pose in 3D stereophotogrammetry of the breast. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2016, 69, 1609-1613.	1.0	11
48	3-Dimensional CBCT analysis of mandibular asymmetry in unilateral condylar hyperplasia. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1970-1976.	1.7	35
49	Three-dimensional stereophotogrammetry as an accurate tool for analyzing lymphedema of the hand. JPRAS Open, 2016, 10, 40-46.	0.9	12
50	Three-dimensional soft tissue analysis of the hand: a novel method to investigate effects of acromegaly. European Journal of Plastic Surgery, 2016, 39, 429-434.	0.6	9
51	Measuring zygomaticomaxillary complex symmetry three-dimensionally with the use of mirroring and surface based matching techniques. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1706-1712.	1.7	16
52	Quantification of facial asymmetry: A comparative study of landmark-based and surface-based registrations. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1131-1136.	1.7	43
53	3D Facial Effects of a Simulated Dental Buildâ€up. Journal of Esthetic and Restorative Dentistry, 2016, 28, 397-404.	3.8	5
54	Three-dimensional evaluation of the alar cinch suture after Le Fort I osteotomy. International Journal of Oral and Maxillofacial Surgery, 2016, 45, 1309-1314.	1.5	11

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55	A novel method for fusion of intra-oral scans and cone-beam computed tomography scans for orthognathic surgery planning. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 160-166.	1.7	39
56	Regional facial asymmetries and attractiveness of the face. European Journal of Orthodontics, 2016, 38, 602-608.	2.4	19
57	Does powdering of the dentition increase the accuracy of fusing 3D stereophotographs and digital dental casts. European Journal of Orthodontics, 2016, 38, 440-445.	2.4	3
58	3D stereophotogrammetry in upper-extremity lymphedema: An accurate diagnostic method. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2016, 69, 241-247.	1.0	42
59	Orbital volume analysis: validation of a semi-automatic software segmentation method. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 11-18.	2.8	58
60	Quantitative Assessment of Orbital Implant Position – A Proof of Concept. PLoS ONE, 2016, 11, e0150162.	2.5	18
61	Development of a three-dimensional hand model using 3D stereophotogrammetry: Evaluation of landmark reproducibility. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2015, 68, 709-716.	1.0	16
62	3D analysis of condylar remodelling and skeletal relapse following bilateral sagittal split advancement osteotomies. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 462-468.	1.7	73
63	Clinical relevance of cone beam computed tomography in mandibular third molar removal: A multicentre, randomised, controlled trial. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 2158-2167.	1.7	60
64	Regional facial asymmetries in unilateral orofacial clefts. European Journal of Orthodontics, 2015, 37, 636-642.	2.4	31
65	Predictability in orbital reconstruction. A human cadaver study, part III: Implant-oriented navigation for optimized reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 2050-2056.	1.7	37
66	Accuracy of three-dimensional soft tissue simulation in bimaxillary osteotomies. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 329-335.	1.7	48
67	Eye tracker based study: Perception of faces with a cleft lip and nose deformity. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1620-1625.	1.7	35
68	Predictability in orbital reconstruction: A human cadaver study. Part I: Endoscopic-assisted orbital reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 2034-2041.	1.7	25
69	Three-Dimensional Facial Simulation in Bilateral Sagittal Split Osteotomy: A Validation Study of 100 Patients. Journal of Oral and Maxillofacial Surgery, 2015, 73, 961-970.	1.2	33
70	Nasolabial symmetry and esthetics in cleft lip and palate: analysis of 3D facial images. Clinical Oral Investigations, 2015, 19, 1833-1842.	3.0	31
71	A new 3D approach to evaluate facial profile changes following BSSO. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1994-1999.	1.7	13
72	Predictability in orbital reconstruction: A human cadaver study. PartÂll: Navigation-assisted orbital reconstruction. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 2042-2049.	1.7	41

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73	The role of mandibular proximal segment rotations on skeletal relapse and condylar remodelling following bilateral sagittal split advancement osteotomies. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1716-1722.	1.7	39
74	Evaluation of the anterior mandibular donor site one year after secondary reconstruction of an alveolar cleft: 3-dimensional analysis using cone-beam computed tomography. British Journal of Oral and Maxillofacial Surgery, 2015, 53, 719-724.	0.8	5
75	Further delineation of the KBG syndrome phenotype caused by ANKRD11 aberrations. European Journal of Human Genetics, 2015, 23, 1176-1185.	2.8	67
76	Three-dimensional changes in nose and upper lip volume after orthognathic surgery. International Journal of Oral and Maxillofacial Surgery, 2015, 44, 83-89.	1.5	45
77	A Clinically Relevant Accuracy Study of Computer-Planned Implant Placement in the Edentulous Maxilla Using Mucosa-Supported Surgical Templates. Clinical Implant Dentistry and Related Research, 2015, 17, 343-352.	3.7	45
78	An Accuracy Study of Computerâ€Planned Implant Placement in the Augmented Maxilla Using Mucosa‧upported Surgical Templates. Clinical Implant Dentistry and Related Research, 2015, 17, 1154-1163.	3.7	38
79	Three-dimensional facial analysis in acromegaly: a novel tool to quantify craniofacial characteristics after long-term remission. Pituitary, 2015, 18, 126-134.	2.9	19
80	Development of a Three-Dimensional Hand Model Using Three-Dimensional Stereophotogrammetry: Assessment of Image Reproducibility. PLoS ONE, 2015, 10, e0136710.	2.5	6
81	A Novel Region-Growing Based Semi-Automatic Segmentation Protocol for Three-Dimensional Condylar Reconstruction Using Cone Beam Computed Tomography (CBCT). PLoS ONE, 2014, 9, e111126.	2.5	54
82	Threeâ€Ðimensional Stereophotogrammetry: A Novel Method in Volumetric Measurement of Infantile Hemangioma. Pediatric Dermatology, 2014, 31, 118-122.	0.9	21
83	Accuracy of Assessing the Mandibular Canal on Cone-Beam Computed Tomography: A Validation Study. Journal of Oral and Maxillofacial Surgery, 2014, 72, 666-671.	1.2	17
84	A clinically relevant validation method for implant placement after virtual planning. Clinical Oral Implants Research, 2013, 24, 1265-1272.	4.5	36
85	Accuracy of bone surface size and cortical layer thickness measurements using cone beam computerized tomography. Clinical Oral Implants Research, 2013, 24, 793-797.	4.5	14
86	Evaluation of Condylar Resorption Before and After Orthognathic Surgery. Seminars in Orthodontics, 2013, 19, 106-115.	1.4	26
87	Validation of cephalic index measurements in scaphocephaly. Child's Nervous System, 2013, 29, 1007-1014.	1.1	35
88	Three-dimensional evaluation of soft tissue changes in the orofacial region after tooth-borne and bone-borne surgically assisted rapid maxillary expansion. Clinical Oral Investigations, 2013, 17, 2017-2024.	3.0	33
89	Development and reproducibility of a 3D stereophotogrammetric reference frame for facial soft tissue growth of babies and young children with and without orofacial clefts. International Journal of Oral and Maxillofacial Surgery, 2013, 42, 2-8.	1.5	17
90	The use of cone-beam computed tomography for orthodontic purposes. Seminars in Orthodontics, 2013, 19, 196-203.	1.4	23

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91	Oromandibular Reconstruction Using 3D Planned Triple Template Method. Journal of Oral and Maxillofacial Surgery, 2013, 71, e243-e247.	1.2	27
92	Reconstruction of a traumatic frontoparietal defect using three-dimensional imaging and lipofilling. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2013, 66, 1295-1297.	1.0	3
93	Three dimensional evaluation of facial asymmetry after mandibular reconstruction: validation of a new method using stereophotogrammetry. International Journal of Oral and Maxillofacial Surgery, 2013, 42, 19-25.	1.5	56
94	Validation of a novel semi-automated method for three-dimensional surface rendering of condyles using cone beam computed tomography data. International Journal of Oral and Maxillofacial Surgery, 2013, 42, 1023-1029.	1.5	37
95	Unilateral Condylar Hyperplasia: A 3-Dimensional Quantification of Asymmetry. PLoS ONE, 2013, 8, e59391.	2.5	24
96	Volumetric changes of the nose and nasal airway 2Âyears after toothâ€borne and boneâ€borne surgically assisted rapid maxillary expansion. European Journal of Oral Sciences, 2013, 121, 450-456.	1.5	45
97	Accuracy and Reliability of a Novel Method for Fusion of Digital Dental Casts and Cone Beam Computed Tomography Scans. PLoS ONE, 2013, 8, e59130.	2.5	26
98	Evidence supporting the use of cone-beam computed tomography in orthodontics. Journal of the American Dental Association, 2012, 143, 241-252.	1.5	94
99	One year postoperative hard and soft tissue volumetric changes after a BSSO mandibular advancement. International Journal of Oral and Maxillofacial Surgery, 2012, 41, 1137-1145.	1.5	31
100	Three-dimensional prospective evaluation of tooth-borne and bone-borne surgically assisted rapid maxillary expansion. Journal of Cranio-Maxillo-Facial Surgery, 2012, 40, 757-762.	1.7	52
101	The clinical relevance of bifid and trifid mandibular canals. Oral and Maxillofacial Surgery, 2012, 16, 147-151.	1.3	51
102	Integration of Digital Dental Casts in Cone-Beam Computed Tomography Scans. ISRN Dentistry, 2012, 2012, 1-6.	1.5	21
103	Digital three-dimensional image fusion processes for planning and evaluating orthodontics and orthognathic surgery. A systematic review. International Journal of Oral and Maxillofacial Surgery, 2011, 40, 341-352.	1.5	239
104	Variation of the face in rest using 3D stereophotogrammetry. International Journal of Oral and Maxillofacial Surgery, 2011, 40, 1252-1257.	1.5	61
105	The use of cone beam CT for the removal of wisdom teeth changes the surgical approach compared with panoramic radiography: a pilot study. International Journal of Oral and Maxillofacial Surgery, 2011, 40, 834-839.	1.5	104
106	Accuracy and Reproducibility of Voxel Based Superimposition of Cone Beam Computed Tomography Models on the Anterior Cranial Base and the Zygomatic Arches. PLoS ONE, 2011, 6, e16520.	2.5	122
107	3D stereophotogrammetric analysis of lip and nasal symmetry after primary cheiloseptoplasty in complete unilateral cleft lip repair. Rhinology, 2011, 49, 546-553.	1.3	14
108	Postoperative volume increase of facial soft tissue after percutaneous versus endonasal osteotomy technique in rhinoplasty using 3D stereophotogrammetry. Rhinology, 2011, 49, 121-126.	1.3	25

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109	Reproducibility of 3 Different Tracing Methods Based on Cone Beam Computed Tomography in Determining the Anatomical Position of the Mandibular Canal. Journal of Oral and Maxillofacial Surgery, 2010, 68, 811-817.	1.2	49
110	Registration of 3-Dimensional Facial Photographs for Clinical Use. Journal of Oral and Maxillofacial Surgery, 2010, 68, 2391-2401.	1.2	118
111	Optimized Anisotropic Rotational Invariant Diffusion Scheme on Cone-Beam CT. Lecture Notes in Computer Science, 2010, 13, 221-228.	1.3	43
112	An external neck brace to support the peristomal fixation of an automatic stoma valve (ASV): 3D stereophotogrammetrical assessment. Acta Oto-Laryngologica, 2010, 130, 851-858.	0.9	7
113	A comparison between 2D and 3D cephalometry on CBCT scans of human skulls. International Journal of Oral and Maxillofacial Surgery, 2010, 39, 156-160.	1.5	85
114	3D Stereophotogrammetric assessment of pre- and postoperative volumetric changes in the cleft lip and palate nose. International Journal of Oral and Maxillofacial Surgery, 2010, 39, 534-540.	1.5	82
115	Cone-beam CT in the assessment of mandibular invasion by oral squamous cell carcinoma: results of the preliminary study. International Journal of Oral and Maxillofacial Surgery, 2010, 39, 436-439.	1.5	63
116	A comparison between twoâ€dimensional and threeâ€dimensional cephalometry on frontal radiographs and on cone beam computed tomography scans of human skulls. European Journal of Oral Sciences, 2009, 117, 300-305.	1.5	56
117	Evaluation of reproducibility and reliability of 3D soft tissue analysis using 3D stereophotogrammetry. International Journal of Oral and Maxillofacial Surgery, 2009, 38, 267-273.	1.5	187
118	3D evaluation of the lingual fracture line after a bilateral sagittal split osteotomy of the mandible. International Journal of Oral and Maxillofacial Surgery, 2009, 38, 1244-1249.	1.5	62
119	Integration of digital dental casts in 3-dimensional facial photographs. American Journal of Orthodontics and Dentofacial Orthopedics, 2008, 134, 820-826.	1.7	90
120	The accuracy of matching three-dimensional photographs with skin surfaces derived from cone-beam computed tomography. International Journal of Oral and Maxillofacial Surgery, 2008, 37, 641-646.	1.5	112
121	3D stereophotogrammetry for the assessment of tracheostoma anatomy. Acta Oto-Laryngologica, 2008, 128, 1248-1254.	0.9	12
122	A semi-automatic three-dimensional technique using a regionalized facial template enables facial growth assessment in healthy children from 1.5 to 5.0 years of age. PeerJ, 0, 10, e13281.	2.0	1