

Frank Baan

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

473
citations

623188

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h-index

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33
all docs

33
docs citations

33
times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	A New 3D Tool for Assessing the Accuracy of Bimaxillary Surgery: The OrthoGnathicAnalyser. PLoS ONE, 2016, 11, e0149625.	1.1	94
2	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.	0.7	39
3	Validation of 3D documentation of palatal soft tissue shape, color, and irregularity with intraoral scanning. Clinical Oral Investigations, 2018, 22, 1303-1309.	1.4	38
4	Three-dimensional virtual planning in mandibular advancement surgery: Soft tissue prediction based on deep learning. Journal of Cranio-Maxillo-Facial Surgery, 2021, 49, 775-782.	0.7	27
5	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.	0.7	24
6	Achievability of 3D planned bimaxillary osteotomies: maxilla-first versus mandible-first surgery. Scientific Reports, 2017, 7, 9314.	1.6	24
7	Virtual setup in orthodontics: planning and evaluation. Clinical Oral Investigations, 2020, 24, 2385-2393.	1.4	23
8	Fusion of intra-oral scans in cone-beam computed tomography scans. Clinical Oral Investigations, 2021, 25, 77-85.	1.4	23
9	Does Mandible-First Sequencing Increase Maxillary Surgical Accuracy in Bimaxillary Procedures?. Journal of Oral and Maxillofacial Surgery, 2019, 77, 1882-1893.	0.5	19
10	Splintless surgery using patient-specific osteosynthesis in Le Fort I osteotomies: a randomized controlled multi-centre trial. International Journal of Oral and Maxillofacial Surgery, 2020, 49, 454-460.	0.7	17
11	Validation of the OrthoGnathicAnalyser 2.0â€”3D accuracy assessment tool for bimaxillary surgery and genioplasty. PLoS ONE, 2021, 16, e0246196.	1.1	17
12	One-year postoperative skeletal stability of 3D planned bimaxillary osteotomies: maxilla-first versus mandible-first surgery. Scientific Reports, 2019, 9, 3000.	1.6	15
13	Splintless orthognathic surgery in edentulous patientsâ€”a pilot study. International Journal of Oral and Maxillofacial Surgery, 2020, 49, 587-594.	0.7	15
14	Landmark-Based Versus Voxel-Based 3-Dimensional Quantitative Analysis of Bimaxillary Osteotomies: A Comparative Study. Journal of Oral and Maxillofacial Surgery, 2020, 78, 468.e1-468.e10.	0.5	15
15	Virtual occlusion in orthognathic surgery. International Journal of Oral and Maxillofacial Surgery, 2021, 50, 1219-1225.	0.7	14
16	A new segmentation algorithm for measuring CBCT images of nasal airway: a pilot study. PeerJ, 2019, 7, e6246.	0.9	9
17	Three-dimensional characterization of mandibular asymmetry in craniofacial microsomia. Clinical Oral Investigations, 2020, 24, 4363-4372.	1.4	9
18	Efficacy of Miniscrew-Assisted Rapid Palatal Expansion (MARPE) in late adolescents and adults with the Dutch Maxillary Expansion Device: a prospective clinical cohort study. Clinical Oral Investigations, 2022, 26, 6253-6263.	1.4	8

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19	Three dimensional maxillary growth modeling in newborns. <i>Clinical Oral Investigations</i> , 2019, 23, 3705-3712.	1.4	7
20	The effect of lip closure on palatal growth in patients with unilateral clefts. <i>PeerJ</i> , 2020, 8, e9631.	0.9	6
21	Three-dimensional analysis of condylar remodeling and skeletal relapse following LeFort-I osteotomy: A one-year follow-up bicenter study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2022, 50, 40-45.	0.7	6
22	Symmetry of palatal shape during the first year of life in healthy infants. <i>Clinical Oral Investigations</i> , 2021, 25, 1069-1076.	1.4	4
23	Highly variable rate of orthodontic tooth movement measured by a novel 3D method correlates with gingival inflammation. <i>Clinical Oral Investigations</i> , 2021, 25, 1945-1952.	1.4	4
24	Soft tissue-based registration of intraoral scan with cone beam computed tomography scan. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, , .	0.7	4
25	Surgical accuracy in 3D planned bimaxillary osteotomies: intraoral scans and plaster casts as digital dentition models. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2022, 51, 922-928.	0.7	3
26	Reproducibility of Manual Transfer of the Clinical Natural Head Position: Influence on the Soft Tissue and Hard Tissue Position of 3-Dimensional Virtual Surgical Planning. <i>Journal of Oral and Maxillofacial Surgery</i> , 2022, 80, 1505-1510.	0.5	2
27	Digital surface scanning in flap perfusion. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 38-42.	0.7	1
28	Combined orthodontic and surgical treatment for a patient with Hallermann-Streiff-Francois syndrome, severe obstructive sleep apnea, and history of antiresorptive medication. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2021, 159, 97-107.	0.8	1
29	Registration-free workflow for electromagnetic and optical navigation in orbital and craniofacial surgery. <i>Scientific Reports</i> , 2021, 11, 18080.	1.6	1
30	Operator Performance of the Digital Setup Fabrication for Orthodonticâ€œOrthognathic Treatment: An Explorative Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 145.	1.0	1
31	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. <i>PeerJ</i> , 0, 10, e13281.	0.9	1