Stefan Raith

List of Publications by Year
in descending order

29 papers	388 citations	759233 12 h-index	794594 19 g-index
30 all docs	30 docs citations	30 times ranked	422 citing authors

#	Article	IF	Citations
1	Artificial Neural Networks as a powerful numerical tool to classify specific features of a tooth based on 3D scan data. Computers in Biology and Medicine, 2017, 80, 65-76.	7.0	59
2	Functional MR Imaging Mapping of Human Articular Cartilage Response to Loading. Radiology, 2017, 282, 464-474.	7.3	35
3	Planning of mandibular reconstructions based on statistical shape models. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 99-112.	2.8	34
4	Do "cut out-rescan" procedures have an impact on the accuracy of intraoral digital scans?. Journal of Prosthetic Dentistry, 2021, 125, 89-94.	2.8	26
5	Locking versus nonlocking plates in mandibular reconstruction with fibular graft—a biomechanical ex vivo study. Clinical Oral Investigations, 2014, 18, 1291-1298.	3.0	25
6	Computer-Aided Mandibular Reconstruction With Vascularized Iliac Crest Bone Flap and Simultaneous Implant Surgery. Journal of Oral Implantology, 2015, 41, e189-e194.	1.0	24
7	Biomechanical loading test on reconstructed mandibles with fibular, iliac crest or scapula graft: a comparative study. British Journal of Oral and Maxillofacial Surgery, 2015, 53, 741-747.	0.8	20
8	Cemented versus screw-retained posterior implant-supported single crowns: A 24-month randomized controlled clinical trial. Clinical Oral Implants Research, 2021, 32, 1484-1495.	4.5	18
9	A cusp supporting framework design can decrease critical stresses in veneered molar crowns. Dental Materials, 2014, 30, 321-326.	3.5	15
10	Evaluation of a novel algorithm for automating virtual surgical planning in mandibular reconstruction using fibula flaps. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 1378-1386.	1.7	14
11	Trueness evaluation of digital impression: The impact of the selection of reference and test object. Journal of Dentistry, 2021, 111, 103706.	4.1	14
12	Computational geometry assessment for morphometric analysis of the mandible. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 27-34.	1.6	13
13	Introduction of an algorithm for planning of autologous fibular transfer in mandibular reconstruction based on individual bone curvatures. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1894.	2.3	12
14	A Computer-Assisted Diagnostic and Treatment Concept to Increase Accuracy and Safety in the Extracranial Correction of Cranial Vault Asymmetries. Journal of Oral and Maxillofacial Surgery, 2012, 70, 677-684.	1.2	11
15	Three-dimensional evaluation of the effect of nasoalveolar molding on the volume of the alveolar gap in unilateral clefts. Journal of Cranio-Maxillo-Facial Surgery, 2020, 48, 141-147.	1.7	8
16	Impairment of an atrophic mandible by preparation of the implant cavity: a biomechanical study. British Journal of Oral and Maxillofacial Surgery, 2016, 54, 619-624.	0.8	7
17	Augmented Reality-Based Surgery on the Human Cadaver Using a New Generation of Optical Head-Mounted Displays: Development and Feasibility Study. JMIR Serious Games, 2022, 10, e34781.	3.1	7
18	Objective computerised assessment of residual ridge resorption in the human maxilla and maxillary sinus pneumatisation. Clinical Oral Investigations, 2020, 24, 3223-3235.	3.0	6

#	ARTICLE	IF	CITATIONS
19	Objective and Subjective Comparisons of Split Thickness Skin Graft and Full Thickness Skin Graft for Radial Forearm Flap Donor Sites Using a New Measuring Method. Journal of Craniofacial Surgery, 2021, 32, e594-e598.	0.7	6
20	Comparison of augmented reality and cutting guide technology in assisted harvesting of iliac crest grafts â€" A cadaver study. Annals of Anatomy, 2022, 239, 151834.	1.9	6
21	Effect of the pterygomaxillary disjunction on surgically assisted rapid palatal expansion in context of orthodontic treatment. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2020, 130, 241-251.	0.4	5
22	Navigation of iliac crest graft harvest using markerless augmented reality and cutting guide technology: A pilot study. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2318.	2.3	5
23	Twenty-four months in vivo wear of enamel antagonists to lithium disilicate implant crowns â€" a pilot study. Journal of Dentistry, 2022, 124, 104215.	4.1	5
24	Classification of the level of mandibular atrophy â€" A computer-assisted study based on 500 CT scans. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 2061-2067.	1.7	4
25	Biomechanical competence of six different bone screws for reconstructive surgery in three different transplants: Fibular, iliac crest, scapular and artificial bone. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 689-696.	1.7	3
26	Simulation of the gelation process of hydrogel droplets in 3D bioprinting. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 117-118.	0.2	3
27	Accuracy of 3D-Printed Master Cast Workflow Using a Digital Light Processing Printer. Applied Sciences (Switzerland), 2022, 12, 2619.	2.5	2
28	Cross-sectional analysis of spatial distribution and total amount of harvestable calvarian split bone. Annals of Anatomy, 2021, 234, 151655.	1.9	1
29	Dimensions of perforator flaps on the lower leg depending on localization. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2022, , .	1.0	0