

# Stefan Raith

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Navigation of iliac crest graft harvest using markerless augmented reality and cutting guide technology: A pilot study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2022, 18, e2318.	2.3	5
2	Comparison of augmented reality and cutting guide technology in assisted harvesting of iliac crest grafts – A cadaver study. <i>Annals of Anatomy</i> , 2022, 239, 151834.	1.9	6
3	Accuracy of 3D-Printed Master Cast Workflow Using a Digital Light Processing Printer. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2619.	2.5	2
4	Dimensions of perforator flaps on the lower leg depending on localization. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2022, , .	1.0	0
5	Augmented Reality-Based Surgery on the Human Cadaver Using a New Generation of Optical Head-Mounted Displays: Development and Feasibility Study. <i>JMIR Serious Games</i> , 2022, 10, e34781.	3.1	7
6	Twenty-four months in vivo wear of enamel antagonists to lithium disilicate implant crowns – a pilot study. <i>Journal of Dentistry</i> , 2022, 124, 104215.	4.1	5
7	Do –cut out-rescan–procedures have an impact on the accuracy of intraoral digital scans?. <i>Journal of Prosthetic Dentistry</i> , 2021, 125, 89-94.	2.8	26
8	Cross-sectional analysis of spatial distribution and total amount of harvestable calvarian split bone. <i>Annals of Anatomy</i> , 2021, 234, 151655.	1.9	1
9	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. <i>Journal of Craniofacial Surgery</i> , 2021, 32, e594-e598.	0.7	6
10	Trueness evaluation of digital impression: The impact of the selection of reference and test object. <i>Journal of Dentistry</i> , 2021, 111, 103706.	4.1	14
11	Cemented versus screw–retained posterior implant–supported single crowns: A 24–month randomized controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2021, 32, 1484-1495.	4.5	18
12	Three-dimensional evaluation of the effect of nasoalveolar molding on the volume of the alveolar gap in unilateral clefts. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020, 48, 141-147.	1.7	8
13	Effect of the pterygomaxillary disjunction on surgically assisted rapid palatal expansion in context of orthodontic treatment. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 130, 241-251.	0.4	5
14	Objective computerised assessment of residual ridge resorption in the human maxilla and maxillary sinus pneumatization. <i>Clinical Oral Investigations</i> , 2020, 24, 3223-3235.	3.0	6
15	Evaluation of a novel algorithm for automating virtual surgical planning in mandibular reconstruction using fibula flaps. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 1378-1386.	1.7	14
16	Introduction of an algorithm for planning of autologous fibular transfer in mandibular reconstruction based on individual bone curvatures. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2018, 14, e1894.	2.3	12
17	Computational geometry assessment for morphometric analysis of the mandible. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 27-34.	1.6	13
18	Planning of mandibular reconstructions based on statistical shape models. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 99-112.	2.8	34

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19	Artificial Neural Networks as a powerful numerical tool to classify specific features of a tooth based on 3D scan data. <i>Computers in Biology and Medicine</i> , 2017, 80, 65-76.	7.0	59
20	Classification of the level of mandibular atrophy – A computer-assisted study based on 500 CT scans. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 2061-2067.	1.7	4
21	Functional MR Imaging Mapping of Human Articular Cartilage Response to Loading. <i>Radiology</i> , 2017, 282, 464-474.	7.3	35
22	Biomechanical competence of six different bone screws for reconstructive surgery in three different transplants: Fibular, iliac crest, scapular and artificial bone. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 689-696.	1.7	3
23	Impairment of an atrophic mandible by preparation of the implant cavity: a biomechanical study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016, 54, 619-624.	0.8	7
24	Simulation of the gelation process of hydrogel droplets in 3D bioprinting. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2016, 16, 117-118.	0.2	3
25	Biomechanical loading test on reconstructed mandibles with fibular, iliac crest or scapula graft: a comparative study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 741-747.	0.8	20
26	Computer-Aided Mandibular Reconstruction With Vascularized Iliac Crest Bone Flap and Simultaneous Implant Surgery. <i>Journal of Oral Implantology</i> , 2015, 41, e189-e194.	1.0	24
27	Locking versus nonlocking plates in mandibular reconstruction with fibular graft – a biomechanical ex vivo study. <i>Clinical Oral Investigations</i> , 2014, 18, 1291-1298.	3.0	25
28	A cusp supporting framework design can decrease critical stresses in veneered molar crowns. <i>Dental Materials</i> , 2014, 30, 321-326.	3.5	15
29	A Computer-Assisted Diagnostic and Treatment Concept to Increase Accuracy and Safety in the Extracranial Correction of Cranial Vault Asymmetries. <i>Journal of Oral and Maxillofacial Surgery</i> , 2012, 70, 677-684.	1.2	11