Eman Shaheen

List of Publications by Year in Descending Order

57 papers	510 citations	14 h-index	20 g-index
62 ext. papers	771 ext. citations	2.8 avg, IF	4.08 L-index

#	Paper	IF	Citations
57	Long-term three-dimensional effects of orthognathic surgery on the pharyngeal airways: a prospective study in 128 healthy patients. *Clinical Oral Investigations*, **2021**, 1	4.2	0
56	Validation of a 3D methodology for the evaluation and follow-up of secondary alveolar bone grafting in unilateral cleft lip and palate patients. *Orthodontics and Craniofacial Research*, **2021**,	3	1
55	A novel deep learning system for multi-class tooth segmentation and classification on cone beam computed tomography. A validation study. *Journal of Dentistry*, **2021**, 115, 103865	4.8	6
54	Body dysmorphic disorder (BDD) in the orthodontic and orthognathic setting: A systematic review. *Journal of Stomatology, Oral and Maxillofacial Surgery*, **2021**,	1.7	1
53	Automatic segmentation of the pharyngeal airway space with convolutional neural network. *Journal of Dentistry*, **2021**, 111, 103705	4.8	5
52	Three dimensional assessment of segmented Le Fort I osteotomy planning and follow-up: A validation study. *Journal of Dentistry*, **2021**, 111, 103707	4.8	2
51	Contribution of three-dimensional images in the planning of cementoblastoma resection. *BJR|case Reports*, **2021**, 7, 20200156	0.7	1
50	Visual and haptic perceptibility of 3D printed skeletal models in orthognathic surgery. *Journal of Dentistry*, **2021**, 109, 103660	4.8	2
49	Complications Following One-Stage Versus Two-Stage Surgical Treatment of Transverse Maxillary Hypoplasia. *Journal of Oral and Maxillofacial Surgery*, **2021**, 79, 1531-1539	1.8	0
48	Accuracy of cone beam computed tomography-derived casts: A comparative study. *Journal of Prosthetic Dentistry*, **2021**, 125, 95-102	4	5
47	Survival and success of autotransplanted impacted maxillary canines during short-term follow-up: A prospective case-control study. *Orthodontics and Craniofacial Research*, **2021**, 24, 222-232	3	1
46	Three-dimensional design of a geometric model for an ocular prosthesis in ex vivo anophthalmic socket models. *Acta Ophthalmologica*, **2021**, 99, 221-226	3.7	5
45	Evaluation of long-term hard tissue relapse following surgical-orthodontic treatment in skeletal class II patients: A systematic review and meta-analysis. *International Journal of Oral and Maxillofacial Surgery*, **2021**, 50, 477-486	2.9	2
44	Long-term dental stability after orthognathic surgery: a systematic review. *European Journal of Orthodontics*, **2021**, 43, 104-112	3.3	5
43	Validation of a novel method for canine eruption assessment in unilateral cleft lip and palate patients. *Clinical and Experimental Dental Research*, **2021**, 7, 285-292	1.9	3
42	Layered deep learning for automatic mandibular segmentation in cone-beam computed tomography. *Journal of Dentistry*, **2021**, 114, 103786	4.8	9
41	Accuracy of desktop versus professional 3D printers for maxillofacial model production. A systematic review and meta-analysis. *Journal of Dentistry*, **2021**, 112, 103741	4.8	2

40	Three-dimensional characterisation of the globe position in the orbit. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 1527-1532	3.8	0
39	A novel fully automatic design approach of a 3D printed face specific mask: Proof of concept. *PLoS ONE*, **2020**, 15, e0243388	3.7	5
38	Accuracy and reliability of 2-dimensional photography versus 3-dimensional soft tissue imaging. *Imaging Science in Dentistry*, **2020**, 50, 15-22	2.2	6
37	In vivo quantification of mandibular bone remodeling and vascular changes in a Wistar rat model: A novel HR-MRI and micro-CT fusion technique. *Imaging Science in Dentistry*, **2020**, 50, 199-208	2.2	3
36	Validation of a 3D CBCT-based protocol for the follow-up of mandibular condyle remodeling. *Dentomaxillofacial Radiology*, **2020**, 49, 20190364	3.9	8
35	Three-dimensional cone beam computed tomography analysis protocols for condylar remodelling following orthognathic surgery: a systematic review. *International Journal of Oral and Maxillofacial Surgery*, **2020**, 49, 207-217	2.9	13
34	Evaluation of long-term hard tissue remodelling after skeletal class III orthognathic surgery: a systematic review. *International Journal of Oral and Maxillofacial Surgery*, **2020**, 49, 51-61	2.9	2
33	How accurate is digital-assisted Le Fort I maxillary osteotomy? A three-dimensional perspective. *International Journal of Oral and Maxillofacial Surgery*, **2020**, 49, 69-74	2.9	4
32	Trueness of cone beam computed tomography versus intra-oral scanner derived three-dimensional digital models: An ex vivo study. *Clinical Oral Implants Research*, **2019**, 30, 498-504	4.8	3
31	Three-dimensional planning accuracy and follow-up protocol in orthognathic surgery: a validation study. *International Journal of Oral and Maxillofacial Surgery*, **2019**, 48, 71-76	2.9	17
30	Three-dimensional treatment planning and treatment protocol in embryonal rhabdomyosarcoma and orthognathic surgery: A case report. *Oral and Maxillofacial Surgery Cases*, **2019**, 5, 100111	0.3	1
29	Comparative evaluation of cone beam CT and micro-CT on blooming artifacts in human teeth filled with bioceramic sealers. *Clinical Oral Investigations*, **2019**, 23, 3267-3273	4.2	21
28	Improved Interobserver Reliability of the Sanders Classification in Calcaneal Fractures Using Segmented Three-Dimensional Prints. *Journal of Foot and Ankle Surgery*, **2018**, 57, 440-444	1.6	8
27	Surgical Management of an Aggressive Multifocal Squamous Odontogenic Tumor. *Journal of Oral and Maxillofacial Surgery*, **2018**, 76, 355-362	1.8	5
26	Reaching the vertical versus horizontal target position in multi-segmental Le Fort I osteotomy is more difficult, but yields comparably stable results to one-segment osteotomy. *International Journal of Oral and Maxillofacial Surgery*, **2018**, 47, 456-464	2.9	6
25	A novel in vivo method to evaluate trueness of digital impressions. *BMC Oral Health*, **2018**, 18, 117	3.7	25
24	Evaluation of Dimensional Changes of 3D Printed Models After Sterilization: A Pilot Study. *Open Dentistry Journal*, **2018**, 12, 72-79	0.8	30
23	Optimized 3D virtually planned intermediate splints for bimaxillary orthognathic surgery: A clinical validation study in 20 patients. *Journal of Cranio-Maxillo-Facial Surgery*, **2018**, 46, 1441-1447	3.6	9

22	Accuracy of Le Fort I osteotomy in bimaxillary splint-based orthognathic surgery: focus on posterior maxillary movements. *International Journal of Oral and Maxillofacial Surgery*, **2018**, 47, 1398-1404	2.9	6
21	A Systematic Review to Uncover a Universal Protocol for Accuracy Assessment of 3-Dimensional Virtually Planned Orthognathic Surgery. *Journal of Oral and Maxillofacial Surgery*, **2017**, 75, 2430-2440	1.8	37
20	Two examples of indication specific radiation dose calculations in dental CBCT and Multidetector CT scanners. *Physica Medica*, **2017**, 41, 71-77	2.7	26
19	Validation of a novel imaging approach using multi-slice CT and cone-beam CT to follow-up on condylar remodeling after bimaxillary surgery. *International Journal of Oral Science*, **2017**, 9, 139-144	27.9	17
18	Three-dimensional aesthetic assessment of class II patients before and after orthognathic surgery and its association with quantitative surgical changes. *International Journal of Oral and Maxillofacial Surgery*, **2017**, 46, 1664-1671	2.9	7
17	Assessment of occlusion with the T-Scan system in patients undergoing orthognathic surgery. *Scientific Reports*, **2017**, 7, 5356	4.9	14
16	Three-dimensional printed final occlusal splint for orthognathic surgery: design and validation. *International Journal of Oral and Maxillofacial Surgery*, **2017**, 46, 67-71	2.9	49
15	Accuracy of segmentation of tooth structures using 3 different CBCT machines. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2017**, 123, 123-128	2	19
14	Validation of cone beam computed tomography-based tooth printing using different three-dimensional printing technologies. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*, **2016**, 121, 307-15	2	25
13	Comparison of digital breast tomosynthesis and 2D digital mammography using a hybrid performance test. *Physics in Medicine and Biology*, **2015**, 60, 3939-58	3.8	14
12	The simulation of 3D mass models in 2D digital mammography and breast tomosynthesis. *Medical Physics*, **2014**, 41, 081913	4.4	15
11	The Investigation of Different Factors to Optimize the Simulation of 3D Mass Models in Breast Tomosynthesis. *Lecture Notes in Computer Science*, **2014**, 528-535	0.9	
10	The influence of position within the breast on microcalcification detectability in continuous tube motion digital breast tomosynthesis **2013**,		2
9	A Modelling Framework for Evaluation of 2D-Mammography and Breast Tomosynthesis Systems. *Lecture Notes in Computer Science*, **2012**, 338-345	0.9	1
8	The Morphology of Microcalcifications in 2D Digital Mammography and Breast Tomosynthesis: Is It Different?. *Lecture Notes in Computer Science*, **2012**, 362-368	0.9	0
7	Investigation of the effect of tube motion in breast tomosynthesis: continuous or step and shoot? **2011**,		10
6	The simulation of 3D microcalcification clusters in 2D digital mammography and breast tomosynthesis. *Medical Physics*, **2011**, 38, 6659-71	4.4	36
5	Simulation of 3D objects into breast tomosynthesis images. *Radiation Protection Dosimetry*, **2010**, 139, 108-12	0.9	11

4	Realistic Simulation of Microcalcifications in Breast Tomosynthesis. *Lecture Notes in Computer Science*, **2010**, 235-242	0.9	2
3	Software Framework for Simulating Clusters of Microcalcifications in Digital Mammography. *Lecture Notes in Computer Science*, **2010**, 689-696	0.9	1
2	Performance Assessment of Breast Tomosynthesis Systems: Concepts for Two Types of Phantoms. *Lecture Notes in Computer Science*, **2010**, 227-234	0.9	
1	Incidence, Aetiology, and Associated Fracture Patterns of Infraorbital Nerve Injuries Following Zygomaticomaxillary Complex Fractures: A Retrospective Analysis of 272 Patients. *Craniomaxillofacial Trauma & Reconstruction*,194338752110225	1.3	0