

Ashraf F Ayoub

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

1,995
citations

27
h-index

40
g-index

102
ext. papers

2,375
ext. citations

2.2
avg, IF

4.94
L-index

#	Paper	IF	Citations
98	Objective grading facial paralysis severity using a dynamic 3D stereo photogrammetry imaging system. <i>Optics and Lasers in Engineering</i> , 2022 , 150, 106876	4.6	1
97	A novel surgical model for the preclinical assessment of the osseointegration of dental implants: a surgical protocol and pilot study results. <i>Journal of Translational Medicine</i> , 2021 , 19, 276	8.5	0
96	The Validation of an Innovative Method for 3D Capture and Analysis of the Nasolabial Region in Cleft Cases. <i>Cleft Palate-Craniofacial Journal</i> , 2021 , 58, 98-104	1.9	0
95	Innovation in prediction planning for anterior open bite correction. <i>Australasian Orthodontic Journal</i> , 2021 , 31, 78-86		2
94	Orthognathic patient perception of 3D facial soft tissue prediction planning. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021 , 49, 783-788	3.6	1
93	An Innovative Assessment of the Dynamics of Facial Movements in Surgically Managed Unilateral Cleft Lip and Palate Using 4D Imaging. <i>Cleft Palate-Craniofacial Journal</i> , 2020 , 57, 1125-1133	1.9	3
92	COMPARATIVE ANALYSIS FOR THREE FIXTURES OF PAUWELLS-II BY THE BIOMECHANICAL FINITE ELEMENT METHOD. <i>Journal of Mechanics in Medicine and Biology</i> , 2020 , 20, 1950079	0.7	1
91	Comparative analysis for five fixations of Pauwels-I by the biomechanical finite-element method. <i>Journal of Investigative Surgery</i> , 2020 , 33, 428-437	1.2	1
90	Longitudinal 3D Assessment of Facial Asymmetry in Unilateral Cleft Lip and Palate. <i>Cleft Palate-Craniofacial Journal</i> , 2019 , 56, 495-501	1.9	7
89	The application of virtual reality and augmented reality in Oral & Maxillofacial Surgery. <i>BMC Oral Health</i> , 2019 , 19, 238	3.7	63
88	The Clinical Application of Recombinant Human Bone Morphogenetic Protein 7 for Reconstruction of Alveolar Cleft: 10 Years Follow-Up. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019 , 77, 571-581	1.8	6
87	The effect of facial expression on facial symmetry in surgically managed unilateral cleft lip and palate patients (UCLP). <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019 , 72, 273-280	1.7	3
86	Psychology input to an orthognathic clinic: Patients Perception of service quality. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2019 , 17, 340-345	2.5	3
85	Replacement of the Distorted Dentition of the Cone-Beam Computed Tomography Scans for Orthognathic Surgery Planning. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018 , 76, 1561.e1-1561.e8	1.8	8
84	An innovative virtual reality training tool for orthognathic surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018 , 47, 1199-1205	2.9	35
83	Engineered Coatings for Titanium Implants To Present Ultralow Doses of BMP-7. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1812-1819	5.5	23
82	Assessment of regional asymmetry of the face before and after surgical correction of unilateral cleft lip. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018 , 46, 974-978	3.6	9

81	Comprehensive analysis of soft tissue changes in response to orthognathic surgery: mandibular versus bimaxillary advancement. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018 , 47, 732-737	2.9	8
80	Does rapid maxillary expansion affect nasopharyngeal airway? A prospective Cone Beam Computerised Tomography (CBCT) based study. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2018 , 16, 1-11	2.5	18
79	Effectiveness of Immersive Virtual Reality in Surgical Training-A Randomized Control Trial. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018 , 76, 1065-1072	1.8	84
78	Assessment of facial asymmetry before and after the surgical repair of cleft lip in unilateral cleft lip and palate cases. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018 , 47, 411-419	2.9	12
77	Reproducibility of the dynamics of facial expressions in unilateral facial palsy. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018 , 47, 268-275	2.9	8
76	The accuracy of three-dimensional prediction of soft tissue changes following the surgical correction of facial asymmetry: An innovative concept. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017 , 46, 1517-1524	2.9	15
75	Accuracy of generic mesh conformation: The future of facial morphological analysis. <i>JPRAS Open</i> , 2017 , 14, 39-48	1.2	4
74	VR Surgery: Interactive Virtual Reality Application for Training Oral and Maxillofacial Surgeons using Oculus Rift and Leap Motion 2017 , 187-202		8
73	Effects of Le Fort I Osteotomy on the Nasopharyngeal Airway-6-Month Follow-Up. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016 , 74, 380-91	1.8	9
72	Multi-view stereophotogrammetry for post-mastectomy breast reconstruction. <i>Medical and Biological Engineering and Computing</i> , 2016 , 54, 475-84	3.1	4
71	Evaluation of the Reproducibility of Nonverbal Facial Expressions Using a 3D Motion Capture System. <i>Cleft Palate-Craniofacial Journal</i> , 2016 , 53, 22-9	1.9	7
70	State-of-the-art three-dimensional analysis of soft tissue changes following Le Fort I maxillary advancement. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2016 , 54, 812-7	1.4	21
69	The clinical application of rhBMP-7 for the reconstruction of alveolar cleft. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2016 , 69, 101-7	1.7	11
68	A Novel Surgical Approach for the Reconstruction of Critical-Size Mandibular Defects Using Calcium Sulphate/Hydroxyapatite Cement, BMP-7 and Mesenchymal Stem Cells-Histological Assessment. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016 , 6, 1-11	0.3	6
67	The Accuracy of Conformation of a Generic Surface Mesh for the Analysis of Facial Soft Tissue Changes. <i>PLoS ONE</i> , 2016 , 11, e0152381	3.7	9
66	Efficacy of three-dimensional visualization in mobile apps for patient education regarding orthognathic surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016 , 45, 1081-5	2.9	8
65	The definitions of three-dimensional landmarks on the human face: an interdisciplinary view. <i>Journal of Anatomy</i> , 2016 , 228, 355-65	2.9	15
64	The Impact of Orthognathic Surgery on Facial Expressions. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015 , 73, 2380-90	1.8	29

63	Design and Development of Sur-Face: An interactive mobile app for educating patients regarding corrective surgery of facial deformities. <i>Lecture Notes in Computer Science</i> , 2015 , 26-35	0.9	1
62	"Direct DICOM Slice Landmarking" A Novel Research Technique to Quantify Skeletal Changes in Orthognathic Surgery. <i>PLoS ONE</i> , 2015 , 10, e0131540	3.7	8
61	Biomaterials in the Reconstruction of the Oral and Maxillofacial Region. <i>Frontiers of Oral Biology</i> , 2015 , 17, 101-14		7
60	The use of TriCalcium Phosphate (TCP) and stem cells for the regeneration of osteoperiosteal critical-size mandibular bony defects, an in vitro and preclinical study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014 , 42, 863-9	3.6	22
59	How accurate are rapid prototyped (RP) final orthognathic surgical wafers? A pilot study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014 , 52, 609-14	1.4	28
58	Three-dimensional assessment of facial appearance following surgical repair of unilateral cleft lip and palate. <i>Cleft Palate-Craniofacial Journal</i> , 2014 , 51, 462-71	1.9	30
57	Comparison of the accuracy of voxel based registration and surface based registration for 3D assessment of surgical change following orthognathic surgery. <i>PLoS ONE</i> , 2014 , 9, e93402	3.7	84
56	A novel approach for planning orthognathic surgery: the integration of dental casts into three-dimensional printed mandibular models. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2014 , 43, 454-9	2.9	36
55	Validation of a computer modelled forensic facial reconstruction technique using CT data from live subjects: a pilot study. <i>Forensic Science International</i> , 2014 , 237, 147.e1-147.e8	2.6	34
54	Evaluation of an interactive multi-media device for delivering information on Le Fort I osteotomy. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014 , 42, 885-9	3.6	7
53	The clinical application of three-dimensional motion capture (4D): a novel approach to quantify the dynamics of facial animations. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2014 , 43, 907-16	2.9	23
52	Radiological assessment of bioengineered bone in a muscle flap for the reconstruction of critical-size mandibular defect. <i>PLoS ONE</i> , 2014 , 9, e107403	3.7	6
51	The virtual human face: superimposing the simultaneously captured 3D photorealistic skin surface of the face on the untextured skin image of the CBCT scan. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013 , 42, 393-400	2.9	33
50	Digital replacement of the distorted dentition acquired by cone beam computed tomography (CBCT): a pilot study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013 , 42, 1488-93	2.9	12
49	A new method for automatic tracking of facial landmarks in 3D motion captured images (4D). <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013 , 42, 9-18	2.9	32
48	Lateral nasal osteotomy: a comparative study between the use of osteotome and a diamond surgical burr - a cadaver study. <i>Head & Face Medicine</i> , 2013 , 9, 41	2.4	10
47	The accuracy of three-dimensional prediction planning for the surgical correction of facial deformities using Maxilim. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013 , 42, 801-6	2.9	37
46	Subjective versus objective assessment of breast reconstruction. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2013 , 66, 634-9	1.7	27

45	The importance of the pose in three-dimensional imaging of the ptotic breast. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2013 , 66, 1551-6	1.7	11
44	Assessment of cellular viability on calcium sulphate/hydroxyapatite injectable scaffolds. <i>Journal of Tissue Engineering</i> , 2013 , 4, 2041731413509645	7.5	11
43	Psychological status as a function of residual scarring and facial asymmetry after surgical repair of cleft lip and palate. <i>Cleft Palate-Craniofacial Journal</i> , 2013 , 50, 150-7	1.9	20
42	Influence of close resection margins on local recurrence and disease-specific survival in oral and oropharyngeal carcinoma. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2012 , 50, 102-8	1.4	62
41	Clinical significance of creative 3D-image fusion across multimodalities [PET+CT+MR] based on characteristic coregistration. <i>European Journal of Radiology</i> , 2012 , 81, e406-13	4.7	9
40	An assessment of the quality of care provided to orthognathic surgery patients through a multidisciplinary clinic. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2012 , 40, 243-7	3.6	17
39	Mandibular reconstruction in the rabbit using beta-tricalcium phosphate (βTCP) scaffolding and recombinant bone morphogenetic protein 7 (rhBMP-7) - histological, radiographic and mechanical evaluations. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2012 , 40, e461-9	3.6	24
38	Objective evaluation of the latissimus dorsi flap for breast reconstruction using three-dimensional imaging. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2012 , 65, 1209-15	1.7	18
37	Investigation into variation and errors of a three-dimensional breast imaging system using multiple stereo cameras. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2012 , 65, e332-7	1.7	14
36	A paradigm shift in the diagnosis & management of dentofacial deformities. <i>Saudi Dental Journal</i> , 2012 , 24, 121-5	2.5	0
35	Three-dimensional image fusion across PET+MRI modalities based on the approach of characteristic coregistration. <i>Biomedizinische Technik</i> , 2012 , 57, 413-22	1.3	
34	Innovation in the reconstruction of orofacial region: Challenges and opportunities. <i>National Journal of Maxillofacial Surgery</i> , 2012 , 3, 1	0.7	1
33	Evaluation of the Reproducibility of Non-verbal Facial Animations. <i>Lecture Notes in Computer Science</i> , 2012 , 184-193	0.9	2
32	Investigation into accuracy and reproducibility of a 3D breast imaging system using multiple stereo cameras. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2011 , 64, 577-82	1.7	32
31	Three-dimensional assessment of early surgical outcome in repaired unilateral cleft lip and palate: Part 1. Nasal changes. <i>Cleft Palate-Craniofacial Journal</i> , 2011 , 48, 571-7	1.9	18
30	3D assessment of lip scarring and residual dysmorphology following surgical repair of cleft lip and palate: a preliminary study. <i>Cleft Palate-Craniofacial Journal</i> , 2011 , 48, 379-87	1.9	20
29	Three-dimensional assessment of early surgical outcome in repaired unilateral cleft lip and palate: Part 2. Lip changes. <i>Cleft Palate-Craniofacial Journal</i> , 2011 , 48, 578-83	1.9	21
28	An overview of three-dimensional imaging in dentistry. <i>Dental Update</i> , 2010 , 37, 494-6, 499-500, 503-4 passim	0.3	11

27	Self-correction of 3D reconstruction from multi-view stereo images 2009 ,		2
26	A double-blind, clinical evaluation of facial augmentation treatments: a comparison of PRI 1, PRI 2, Zyplast and Perlane. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2009 , 62, 1636-43	1.7	22
25	Face bow and articulator for planning orthognathic surgery: 1 face bow. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2008 , 46, 567-72	1.4	42
24	Face bow and articulator for planning orthognathic surgery: 2 articulator. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2008 , 46, 573-8	1.4	17
23	Huge peripheral osteoma of the mandible: a case report and review of the literature. <i>Pathology Research and Practice</i> , 2007 , 203, 185-8	3.4	33
22	Facial symmetry in unilateral cleft lip and palate following alar base augmentation with bone graft: a three-dimensional assessment. <i>Cleft Palate-Craniofacial Journal</i> , 2007 , 44, 391-5	1.9	38
21	One miniplate versus two in the management of mandibular angle fractures: a prospective randomised study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2007 , 45, 223-5	1.4	79
20	Constructing dense correspondences for the analysis of 3D facial morphology. <i>Pattern Recognition Letters</i> , 2006 , 27, 597-608	4.7	23
19	Ameloblastoma: a surgeon's dilemma. <i>Journal of Oral and Maxillofacial Surgery</i> , 2006 , 64, 1010-4	1.8	112
18	Contour and volume assessment of repairing mandibular osteoperiosteal continuity defects in sheep using recombinant human osteogenic protein 1. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2006 , 34, 162-7	3.6	9
17	Adaptation of an external distraction device to allow placement over a fixed orthodontic appliance. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2006 , 44, 326-7	1.4	
16	Early assessment of dental arch development in repaired unilateral cleft lip and unilateral cleft lip and palate versus controls. <i>Cleft Palate-Craniofacial Journal</i> , 2005 , 42, 385-91	1.9	34
15	A new three-dimensional method of assessing facial volumetric changes after orthognathic treatment. <i>Cleft Palate-Craniofacial Journal</i> , 2005 , 42, 113-20	1.9	50
14	Bordetella petrii clinical isolate. <i>Emerging Infectious Diseases</i> , 2005 , 11, 1131-3	10.2	39
13	A minimally invasive novel design for a vascular-pedicle bone segment for experimental studies of reconstruction of mandibular defects. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2004 , 42, 236-40	1.4	3
12	Three-dimensional assessment of facial soft-tissue asymmetry before and after orthognathic surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2004 , 42, 396-404	1.4	123
11	Three-dimensional facial characteristics of Caucasian infants without cleft and correlation with body measurements. <i>Cleft Palate-Craniofacial Journal</i> , 2004 , 41, 593-602	1.9	33
10	A sample method of measuring bone graft volume, technical note. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2003 , 31, 40-1	3.6	1

9	The reliability of "Analyze" software in measuring orbital volume utilizing CT-derived data. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2003 , 31, 88-91	3.6	21
8	Comparative assessment of two methods used for interdental immobilization. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2003 , 31, 159-61	3.6	32
7	Three-dimensional imaging in orthognathic surgery: the clinical application of a new method. <i>The International Journal of Adult Orthodontics and Orthognathic Surgery</i> , 2002 , 17, 318-30		42
6	3D stereophotogrammetric image superimposition onto 3D CT scan images: the future of orthognathic surgery. A pilot study. <i>The International Journal of Adult Orthodontics and Orthognathic Surgery</i> , 2002 , 17, 331-41		17
5	Assessment of chin surgery by a coordinate free method. <i>International Journal of Oral and Maxillofacial Surgery</i> , 1994 , 23, 6-10	2.9	15
4	Cherubism: report of an aggressive case and review of the literature. <i>Journal of Oral and Maxillofacial Surgery</i> , 1993 , 51, 702-5	1.8	30
3	The practicability of finite-element analysis for assessing changes in human craniofacial morphology from cephalographs. <i>Archives of Oral Biology</i> , 1993 , 38, 679-83	2.8	5
2	Aberrant mandibular growth: theoretical implications. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 1992 , 101, 255-65	2.1	2
1	Orthognathic Technical Procedures80-93		