David J Dunaway

List of Publications by Year in descending order

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123 papers 2,825 citations

218381 26 h-index 243296 44 g-index

125 all docs

125 docs citations

125 times ranked

1999 citing authors

#	Article	IF	CITATIONS
1	A 3D Morphable Model Learnt from 10,000 Faces. , 2016, , .		211
2	Large Scale 3D Morphable Models. International Journal of Computer Vision, 2018, 126, 233-254.	10.9	210
3	The accuracy of head and neck carcinoma sentinel lymph node biopsy in the clinically NO neck. Cancer, 2001, 91, 2077-2083.	2.0	195
4	Comparison of three-dimensional scanner systems for craniomaxillofacial imaging. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 441-449.	0.5	147
5	A suggested method for sentinel node biopsy in squamous cell carcinoma of the head and neck. , 1999, 21, 728-733.		133
6	Raised Intracranial Pressure in Apert Syndrome. Plastic and Reconstructive Surgery, 2008, 122, 1162-1168.	0.7	83
7	Monitoring Visual Function in Children With Syndromic Craniosynostosis. JAMA Ophthalmology, 2006, 124, 1119.	2.6	71
8	Functional Outcomes in Monobloc Advancement by Distraction Using the Rigid External Distractor Device. Plastic and Reconstructive Surgery, 2008, 121, 1311-1322.	0.7	67
9	Complications of frontofacial advancement. Child's Nervous System, 2012, 28, 1571-1576.	0.6	59
10	A machine learning framework for automated diagnosis and computer-assisted planning in plastic and reconstructive surgery. Scientific Reports, 2019, 9, 13597.	1.6	55
11	Craniofacial and extracraniofacial anomalies in craniofacial microsomia: A multicenter study of 755 patients. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1302-1310.	0.7	50
12	Frontofacial Monobloc Distraction in the Very Young. Plastic and Reconstructive Surgery, 2012, 129, 488e-497e.	0.7	48
13	Three-Dimensional Image Analysis of Facial Skeletal Changes after Monobloc and Bipartition Distraction. Plastic and Reconstructive Surgery, 2008, 122, 225-231.	0.7	47
14	Correcting the Typical Apert Face. Plastic and Reconstructive Surgery, 2013, 131, 219e-230e.	0.7	46
15	The surgical management of Treacher Collins syndrome. British Journal of Oral and Maxillofacial Surgery, 2014, 52, 581-589.	0.4	46
16	Spring-Assisted Cranioplasty for the Correction of Nonsyndromic Scaphocephaly: A Quantitative Analysis of 100 Consecutive Cases. Plastic and Reconstructive Surgery, 2017, 140, 125-134.	0.7	46
17	Raised intracranial pressure in Crouzon syndrome: incidence, causes, and management. Journal of Neurosurgery: Pediatrics, 2016, 17, 469-475.	0.8	43
18	Three-Dimensional Handheld Scanning to Quantify Head-Shape Changes in Spring-Assisted Surgery for Sagittal Craniosynostosis. Journal of Craniofacial Surgery, 2016, 27, 2117-2123.	0.3	42

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19	Adverse events of local treatment in long-term head and neck rhabdomyosarcoma survivors after external beam radiotherapy or AMORE treatment. European Journal of Cancer, 2015, 51, 1424-1434.	1.3	41
20	A novel soft tissue prediction methodology for orthognathic surgery based on probabilistic finite element modelling. PLoS ONE, 2018, 13, e0197209.	1.1	38
21	Describing Crouzon and Pfeiffer syndrome based on principal component analysis. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 528-536.	0.7	36
22	Spectrum of Antley-Bixler Syndrome. Journal of Craniofacial Surgery, 2010, 21, 1560-1564.	0.3	34
23	Intracranial Volume and Head Circumference in Children with Unoperated Syndromic Craniosynostosis. Plastic and Reconstructive Surgery, 2018, 142, 708e-717e.	0.7	33
24	Connecting raised intracranial pressure and cognitive delay in craniosynostosis: many assumptions, little evidence. Journal of Neurosurgery: Pediatrics, 2016, 18, 242-250.	0.8	31
25	Fronto-facial advancement and bipartition in Crouzon–Pfeiffer and Apert syndromes: Impact of fronto-facial surgery upon orbital and airway parameters in FGFR2 syndromes. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1567-1575.	0.7	31
26	An Automatic 3D Facial Landmarking Algorithm Using 2D Gabor Wavelets. IEEE Transactions on Image Processing, 2016, 25, 580-588.	6.0	31
27	Three-dimensional surface scanners compared with standard anthropometric measurements for head shape. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 921-927.	0.7	31
28	Quantifying the effect of corrective surgery for trigonocephaly: A non-invasive, non-ionizing method using three-dimensional handheld scanning and statistical shape modelling. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 387-394.	0.7	30
29	Syndromic Craniosynostosis: Complexities of Clinical Care. Molecular Syndromology, 2019, 10, 83-97.	0.3	30
30	ERFâ€related craniosynostosis: The phenotypic and developmental profile of a new craniosynostosis syndrome. American Journal of Medical Genetics, Part A, 2019, 179, 615-627.	0.7	29
31	Frontofacial Advancement by Distraction Osteogenesis. Plastic and Reconstructive Surgery, 2015, 135, 553-560.	0.7	28
32	The Management of Midline Frontonasal Dermoids. Plastic and Reconstructive Surgery, 2015, 135, 187-196.	0.7	26
33	Intracranial Volume Measurement: A Systematic Review and Comparison of Different Techniques. Journal of Craniofacial Surgery, 2017, 28, 1746-1751.	0.3	26
34	Assessment of spring cranioplasty biomechanics in sagittal craniosynostosis patients. Journal of Neurosurgery: Pediatrics, 2017, 20, 400-409.	0.8	25
35	Relapse Following Frontofacial Advancement Using the Rigid External Distractor. Journal of Craniofacial Surgery, 2008, 19, 113-120.	0.3	23
36	Ocular Advancement in Monobloc Distraction. Plastic and Reconstructive Surgery, 2009, 123, 1570-1577.	0.7	23

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37	Spring assisted cranioplasty: A patient specific computational model. Medical Engineering and Physics, 2018, 53, 58-65.	0.8	23
38	Correcting Exorbitism by Monobloc Frontofacial Advancement in Crouzon-Pfeiffer Syndrome: An Age-Specific, Time-Related, Controlled Study. Plastic and Reconstructive Surgery, 2019, 143, 121e-132e.	0.7	23
39	Unilateral isolated frontosphenoidal craniosynostosis causing frontal plagiocephaly. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2009, 62, e255-e258.	0.5	22
40	Free groin flap in hemifacial volume reconstruction. British Journal of Oral and Maxillofacial Surgery, 2013, 51, 301-306.	0.4	21
41	Midface Osteotomy versus Distraction: The Effect on Speech, Nasality, and Velopharyngeal Function in Craniofacial Dysostosis. Cleft Palate-Craniofacial Journal, 2008, 45, 353-363.	0.5	20
42	Assessing the corrective effects of facial bipartition distraction in Apert syndrome using geometric morphometrics. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2014, 67, e151-e161.	0.5	19
43	Statistical shape modelling to aid surgical planning: associations between surgical parameters and head shapes following spring-assisted cranioplasty. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1739-1749.	1.7	19
44	Quantitative analysis of fetal facial morphology using 3DÂultrasound and statistical shape modeling: aÂfeasibilityÂstudy. American Journal of Obstetrics and Gynecology, 2017, 217, 76.e1-76.e8.	0.7	18
45	Evaluating the Efficacy of Monobloc Distraction in the Crouzon-Pfeiffer Craniofacial Deformity Using Geometric Morphometrics. Plastic and Reconstructive Surgery, 2017, 139, 477e-487e.	0.7	18
46	The Role of Bipartition Distraction in the Treatment of Apert Syndrome. Plastic and Reconstructive Surgery, 2018, 141, 747-750.	0.7	17
47	Surgical correction of the midface in craniofacial microsomia. Part 1: A systematic review. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1427-1435.	0.7	16
48	Monobloc distraction in an infant, using the rigid external distractor: Problems and solutions—A case report. Journal of Cranio-Maxillo-Facial Surgery, 2008, 36, 15-20.	0.7	15
49	Planning Surgical Reconstruction in Treacher-Collins Syndrome Using Virtual Simulation. Plastic and Reconstructive Surgery, 2013, 132, 790e-805e.	0.7	15
50	Surgical Correction of Craniofacial Microsomia: Evaluation of Interventions in 565 Patients at Three Major Craniofacial Units. Plastic and Reconstructive Surgery, 2019, 143, 1467-1476.	0.7	15
51	Statistical shape modelling for the analysis of head shape variations. Journal of Cranio-Maxillo-Facial Surgery, 2021, 49, 449-455.	0.7	15
52	Surgical Treatment of Periocular Hemangiomas: A Single-Center Experience. Plastic and Reconstructive Surgery, 2007, 119, 1553-1562.	0.7	14
53	Facial asymmetry in head and neck rhabdomyosarcoma survivors. Pediatric Blood and Cancer, 2017, 64, e26508.	0.8	14
54	Dental anomalies in craniofacial microsomia: A systematic review. Orthodontics and Craniofacial Research, 2020, 23, 16-26.	1.2	14

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55	Using principal component analysis to describe the Apert skull deformity and simulate its correction. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2012, 65, 1750-1752.	0.5	13
56	A classification system to guide orbitozygomatic reconstruction in Treacher-Collins syndrome. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2013, 66, 1003-1005.	0.5	13
57	Combined soft and skeletal tissue modelling of normal andÂdysmorphic midface postnatal development. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1777-1785.	0.7	13
58	What Are the Characteristics of the Upper Airway in Patients With Craniofacial Microsomia?. Journal of Oral and Maxillofacial Surgery, 2019, 77, 1869-1881.	0.5	13
59	Monobloc and Bipartition in Craniofacial Surgery. Journal of Craniofacial Surgery, 2013, 24, 242-246.	0.3	12
60	Ocular Morbidity in the Correction of Orbital Hypertelorism and Dystopia. Plastic and Reconstructive Surgery, 2017, 139, 967-975.	0.7	12
61	Cranial bone structure in children with sagittal craniosynostosis: Relationship with surgical outcomes. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 1589-1597.	0.5	12
62	Feeding difficulties in craniofacial microsomia: A multicenter retrospective analysis of 755 patients. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1777-1782.	0.7	12
63	Psychosocial wellâ€being of longâ€ŧerm survivors of pediatric head–neck rhabdomyosarcoma. Pediatric Blood and Cancer, 2019, 66, e27498.	0.8	12
64	Letter to the Editor: Raised intracranial pressure and nonsyndromic sagittal craniosynostosis. Journal of Neurosurgery: Pediatrics, 2015, 16, 346-349.	0.8	11
65	Evaluation of Swallow Function in Patients with Craniofacial Microsomia: A Retrospective Study. Dysphagia, 2018, 33, 234-242.	1.0	11
66	Spring-assisted posterior vault expansionâ€"a single-centre experience of 200 cases. Child's Nervous System, 2021, 37, 3189-3197.	0.6	11
67	Results Following Adoption of a Modified Melbourne Technique of Total Scaphocephaly Correction. Journal of Craniofacial Surgery, 2018, 29, 1117-1122.	0.3	10
68	A population-specific material model for sagittal craniosynostosis to predict surgical shape outcomes. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1319-1329.	1.4	10
69	Frontofacial Monobloc Distraction Using the StealthStation Intraoperative Navigation System. Journal of Craniofacial Surgery, 2009, 20, 892-894.	0.3	9
70	Staged separation of craniopagus twins. Seminars in Pediatric Surgery, 2015, 24, 241-248.	0.5	9
71	Part 2: Is the maxillary canting and its surgical correction in patients with CFM correlated to the mandibular deformity?. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1436-1440.	0.7	9
72	Computational modelling of patient specific spring assisted lambdoid craniosynostosis correction. Scientific Reports, 2020, 10, 18693.	1.6	9

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73	Three-dimensional environment and vascularization induce osteogenic maturation of human adipose-derived stem cells comparable to that of bone-derived progenitors. Stem Cells Translational Medicine, 2020, 9, 1651-1666.	1.6	9
74	Congenital malignant rhabdoid tumor of the scalp. Journal of Cranio-Maxillo-Facial Surgery, 2012, 40, e258-e260.	0.7	8
75	The Evaluation of Bony Union After Frontofacial Distraction. Journal of Craniofacial Surgery, 2009, 20, 275-278.	0.3	7
76	Proof of Concept Study for the Design, Manufacturing, and Testing of a Patient-Specific Shape Memory Device for Treatment of Unicoronal Craniosynostosis. Journal of Craniofacial Surgery, 2018, 29, 45-48.	0.3	7
77	Using principal component analysis to describe the midfacial deformities in patients with craniofacial microsomia. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 2032-2041.	0.7	7
78	Multiparametric Imaging for Presurgical Planning of Craniopagus Twins: The Experience of Two Tertiary Pediatric Hospitals with Six Sets of Twins. Radiology, 2021, 298, 18-27.	3.6	7
79	Hypertelorism Correction With Facial Bipartition and Box Osteotomy. Journal of Craniofacial Surgery, 2015, 26, 196-200.	0.3	6
80	Design and manufacturing of a patient-specific nasal implant for congenital arhinia: Case report. JPRAS Open, 2019, 21, 28-34.	0.4	6
81	Lack of association of cranial lacunae with intracranial hypertension in children with Crouzon syndrome and Apert syndrome: a 3D morphometric quantitative analysis. Child's Nervous System, 2019, 35, 501-507.	0.6	6
82	Investigating the cause of late deformity following fronto-orbital remodelling for metopic synostosis using 3D CT imaging. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 170-178.	0.7	6
83	Convolutional mesh autoencoders for the 3-dimensional identification of FGFR-related craniosynostosis. Scientific Reports, 2022, 12, 2230.	1.6	6
84	Computational Evaluation of Potential Correction Methods for Unicoronal Craniosynostosis. Journal of Craniofacial Surgery, 2020, 31, 692-696.	0.3	5
85	Enhanced neuro-ophthalmologic evaluation to support separation of craniopagus twins. Journal of Surgical Case Reports, 2021, 2021, rjaa606.	0.2	5
86	Virtual planning in Le Fort III distraction osteogenesis: A case series. Journal of Cranio-Maxillo-Facial Surgery, 2021, 49, 341-346.	0.7	5
87	Validation of an in-silico modelling platform for outcome prediction in spring assisted posterior vault expansion. Clinical Biomechanics, 2021, 88, 105424.	0.5	5
88	The surgical management of severe macroglossia in systemic AL amyloidosis. British Journal of Oral and Maxillofacial Surgery, 2013, 51, e72-e74.	0.4	4
89	Geometric morphometrics aided by machine learning in craniofacial surgery. Journal of Orthodontics, 2019, 46, 81-83.	0.4	4
90	A Novel Medial Canthal Reconstruction Technique in Children With Blepharophimosis Syndrome. Ophthalmic Plastic and Reconstructive Surgery, 2019, 35, 506-508.	0.4	4

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91	Three-Dimensional Calvarial Growth in Spring-Assisted Cranioplasty for Correction of Sagittal Synostosis. Journal of Craniofacial Surgery, 2020, 31, 2084-2087.	0.3	4
92	Correlation of Intracranial Volume With Head Surface Volume in Patients With Multisutural Craniosynostosis. Journal of Craniofacial Surgery, 2020, 31, 1445-1448.	0.3	4
93	Monobloc Distraction and Facial Bipartition Distraction with External Devices. Clinics in Plastic Surgery, 2021, 48, 507-519.	0.7	4
94	Mechanical and morphological properties of parietal bone in patients with sagittal craniosynostosis. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104929.	1.5	4
95	Extracraniofacial anomalies in Treacher Collins syndrome: A multicentre study of 248 patients. International Journal of Oral and Maxillofacial Surgery, 2021, 50, 1471-1476.	0.7	3
96	Maxillary Changes Following Facial Bipartition – A Three-Dimensional Quantification. Journal of Craniofacial Surgery, 2021, 32, 2053-2057.	0.3	3
97	Local Soft Tissue and Bone Displacements Following Midfacial Bipartition Distraction in Apert Syndrome – Quantification Using a Semi-Automated Method. Journal of Craniofacial Surgery, 2021, Publish Ahead of Print, 2646-2650.	0.3	3
98	The 3D skull 0–4Âyears: A validated, generative, statistical shape model. Bone Reports, 2021, 15, 101154.	0.2	3
99	Long-term experience with methylmethacrylate cranioplasty in craniofacial surgery. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2008, 61, 753.	0.5	2
100	Juvenile nasopharyngeal angiofibroma involving the cavernous sinus: Does surgery have a role?. International Journal of Pediatric Otorhinolaryngology Extra, 2008, 3, 128-131.	0.1	2
101	Re: Craniofacial development: current concepts in the molecular basis of Treacher Collins syndrome. British Journal of Oral and Maxillofacial Surgery, 2013, 51, 276.	0.4	2
102	Design, Manufacturing, and In Vitro Testing of a Patient-Specific Shape-Memory Expander for Nose Reconstruction With Forehead Flap Technique. Journal of Craniofacial Surgery, 2016, 27, 188-190.	0.3	2
103	The Science Behind the Springs: Using Biomechanics and Finite Element Modeling to Predict Outcomes in Spring-Assisted Sagittal Synostosis Surgery. Journal of Craniofacial Surgery, 2020, 31, 2074-2078.	0.3	2
104	Correlation between head shape and volumetric changes following spring-assisted posterior vault expansion. Journal of Cranio-Maxillo-Facial Surgery, 2022, 50, 343-352.	0.7	2
105	Electrophysiological and fundoscopic detection of intracranial hypertension in craniosynostosis. Eye, 2023, 37, 139-145.	1.1	2
106	Picture of the Monthâ€"Quiz Case. JAMA Pediatrics, 2007, 161, 1001.	3.6	1
107	Transcutaneous reconstructive lateral canthal anchoring for craniofacial surgery. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2011, 64, 697-698.	0.5	1
108	Craniofacial disorders that have phenotypic overlap with Treacher Collins syndrome. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2013, 66, e234-e235.	0.5	1

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109	An Intrasinus Approach to the Monobloc Osteotomy. Plastic and Reconstructive Surgery, 2013, 131, 455e-456e.	0.7	1
110	Frontoethmoidal Mucocele Following Pediatric Craniofacial Surgery. Journal of Craniofacial Surgery, 2014, 25, 2008-2012.	0.3	1
111	Aberrant facial flushing following monobloc fronto-facial distraction. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1511-1515.	0.7	1
112	Initial UK series of endoscopic suturectomy with postoperative helmeting for craniosynostosis: early report of perioperative experience. British Journal of Neurosurgery, 2020, , 1-6.	0.4	1
113	Sporting activity after craniosynostosis surgery in children: a source of parental anxiety. Child's Nervous System, 2021, 37, 287-290.	0.6	1
114	Craniosynostosis. , 2022, , 267-282.		1
115	Correction of trigonocephaly after endoscopic strip craniectomy with postoperative helmet orthosis therapy: a 3D stereophotogrammetric study. Journal of Neurosurgery: Pediatrics, 2022, 30, 68-77.	0.8	1
116	Growth patterns and shape development of the paediatric mandible $\hat{a}\in$ A 3D statistical model. Bone Reports, 2022, 16, 101528.	0.2	1
117	Modifications to surgical practise., 1996, 17, 243-243.		0
118	Bone suturesâ€"prevention of vertical height gain in midface distraction during callus formation. British Journal of Oral and Maxillofacial Surgery, 2012, 50, 682.	0.4	0
119	Butterfly reconstruction of the anterior scalp hairline using bilaterally apposing STA island flaps. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2012, 65, e213-e216.	0.5	0
120	Facial Bipartition Distraction., 2017,, 177-190.		0
121	$116\hat{a}\in$ Initial UK series of endoscopic suturectomy with post-operative helmet therapy for craniosynostosis: early report of peri-operative experience. , 2020, , .		0
122	Ocular and adnexal anomalies in Treacher Collins syndrome: a retrospective multicenter study. Journal of AAPOS, 2022, , .	0.2	0
123	Finite element method for the design of implants for temporal hollowing. JPRAS Open, 2022, 32, 18-23.	0.4	0