

# Seth M Weinberg

## List of Publications by Year in descending order

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130  
papers

4,354  
citations

147566

31  
h-index

138251

58  
g-index

144  
all docs

144  
docs citations

144  
times ranked

3837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthropometric Precision and Accuracy of Digital Three-Dimensional Photogrammetry. <i>Journal of Craniofacial Surgery</i> , 2006, 17, 477-483.	0.3	276
2	Digital Three-Dimensional Photogrammetry: Evaluation of Anthropometric Precision and Accuracy Using a Genex 3D Camera System. <i>Cleft Palate-Craniofacial Journal</i> , 2004, 41, 507-518.	0.5	208
3	Genome-wide mapping of global-to-local genetic effects on human facial shape. <i>Nature Genetics</i> , 2018, 50, 414-423.	9.4	205
4	3D digital stereophotogrammetry: a practical guide to facial image acquisition. <i>Head &amp; Face Medicine</i> , 2010, 6, 18.	0.8	177
5	Mutations in BMP4 Are Associated with Subepithelial, Microform, and Overt Cleft Lip. <i>American Journal of Human Genetics</i> , 2009, 84, 406-411.	2.6	176
6	A multi-ethnic genome-wide association study identifies novel loci for non-syndromic cleft lip with or without cleft palate on 2p24.2, 17q23 and 19q13. <i>Human Molecular Genetics</i> , 2016, 25, ddw104.	1.4	163
7	A Genome-wide Association Study of Nonsyndromic Cleft Palate Identifies an Etiologic Missense Variant in GRHL3. <i>American Journal of Human Genetics</i> , 2016, 98, 744-754.	2.6	146
8	Genome-Wide Association Study Reveals Multiple Loci Influencing Normal Human Facial Morphology. <i>PLoS Genetics</i> , 2016, 12, e1006149.	1.5	140
9	Genome-wide meta-analyses of nonsyndromic orofacial clefts identify novel associations between FOXE1 and all orofacial clefts, and TP63 and cleft lip with or without cleft palate. <i>Human Genetics</i> , 2017, 136, 275-286.	1.8	139
10	Intraobserver error associated with measurements of the hand. <i>American Journal of Human Biology</i> , 2005, 17, 368-371.	0.8	110
11	Validation of the Vectra H1 portable three-dimensional photogrammetry system for facial imaging. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018, 47, 403-410.	0.7	106
12	Minor physical anomalies in schizophrenia: A meta-analysis. <i>Schizophrenia Research</i> , 2007, 89, 72-85.	1.1	102
13	The Pittsburgh Oral-Facial Cleft Study: Expanding the Cleft Phenotype. Background and Justification. <i>Cleft Palate-Craniofacial Journal</i> , 2006, 43, 7-20.	0.5	94
14	Insights into the genetic architecture of the human face. <i>Nature Genetics</i> , 2021, 53, 45-53.	9.4	94
15	The 3D Facial Norms Database: Part 1. A Web-Based Craniofacial Anthropometric and Image Repository for the Clinical and Research Community. <i>Cleft Palate-Craniofacial Journal</i> , 2016, 53, 185-197.	0.5	80
16	Three-Dimensional Surface Imaging: Limitations and Considerations From the Anthropometric Perspective. <i>Journal of Craniofacial Surgery</i> , 2005, 16, 847-851.	0.3	78
17	The FaceBase Consortium: A comprehensive program to facilitate craniofacial research. <i>Developmental Biology</i> , 2011, 355, 175-182.	0.9	72
18	Orbicularis oris muscle defects as an expanded phenotypic feature in nonsyndromic cleft lip with or without cleft palate. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 1143-1149.	0.7	69

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19	Genome-wide association study of facial morphology reveals novel associations with <i>FREM1</i> and <i>PARK2</i> . <i>PLoS ONE</i> , 2017, 12, e0176566.	1.1	68
20	Using the 3D Facial Norms Database to investigate craniofacial sexual dimorphism in healthy children, adolescents, and adults. <i>Biology of Sex Differences</i> , 2016, 7, 23.	1.8	65
21	Facial Phenotype in Children and Young Adults with <i>PHOX2B</i> –Determined Congenital Central Hypoventilation Syndrome: Quantitative Pattern of Dysmorphology. <i>Pediatric Research</i> , 2006, 59, 39-45.	1.1	58
22	Novel genetic loci affecting facial shape variation in humans. <i>ELife</i> , 2019, 8, .	2.8	58
23	Shared heritability of human face and brain shape. <i>Nature Genetics</i> , 2021, 53, 830-839.	9.4	57
24	Three-dimensional morphometric analysis of craniofacial shape in the unaffected relatives of individuals with nonsyndromic orofacial clefts: A possible marker for genetic susceptibility. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 409-420.	0.7	48
25	Genome-wide Enrichment of De Novo Coding Mutations in Orofacial Cleft Trios. <i>American Journal of Human Genetics</i> , 2020, 107, 124-136.	2.6	48
26	Facial recognition from DNA using face-to-DNA classifiers. <i>Nature Communications</i> , 2019, 10, 2557.	5.8	46
27	Investigating the shared genetics of non-syndromic cleft lip/palate and facial morphology. <i>PLoS Genetics</i> , 2018, 14, e1007501.	1.5	44
28	Rethinking isolated cleft palate: Evidence of occult lip defects in a subset of cases. <i>American Journal of Medical Genetics, Part A</i> , 2008, 146A, 1670-1675.	0.7	40
29	Three-dimensional morphometric analysis of brain shape in nonsyndromic orofacial clefting. <i>Journal of Anatomy</i> , 2009, 214, 926-936.	0.9	39
30	Heritability of face shape in twins: a preliminary study using 3D stereophotogrammetry and geometric morphometrics. <i>Dentistry 3000</i> , 2013, 1, 7-11.	0.1	39
31	Effects of Thyroxine Exposure on Osteogenesis in Mouse Calvarial Pre-Osteoblasts. <i>PLoS ONE</i> , 2013, 8, e69067.	1.1	36
32	Association studies of low-frequency coding variants in nonsyndromic cleft lip with or without cleft palate. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 1531-1538.	0.7	36
33	A systematic genetic analysis and visualization of phenotypic heterogeneity among orofacial cleft GWAS signals. <i>Genetic Epidemiology</i> , 2019, 43, 704-716.	0.6	36
34	Whorl patterns on the lower lip are associated with nonsyndromic cleft lip with or without cleft palate. <i>American Journal of Medical Genetics, Part A</i> , 2009, 149A, 2673-2679.	0.7	32
35	Comparative microanatomy of the orbicularis oris muscle between chimpanzees and humans: evolutionary divergence of lip function. <i>Journal of Anatomy</i> , 2009, 214, 36-44.	0.9	32
36	Craniofacial genetics: Where have we been and where are we going?. <i>PLoS Genetics</i> , 2018, 14, e1007438.	1.5	32

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37	A GWAS in Latin Americans identifies novel face shape loci, implicating VPS13B and a Denisovan introgressed region in facial variation. <i>Science Advances</i> , 2021, 7, .	4.7	32
38	Exploratory genotype-phenotype correlations of facial form and asymmetry in unaffected relatives of children with non-syndromic cleft lip and/or palate. <i>Journal of Anatomy</i> , 2014, 224, 688-709.	0.9	31
39	Limb development genes underlie variation in human fingerprint patterns. <i>Cell</i> , 2022, 185, 95-112.e18.	13.5	30
40	Preoperative Craniofacial Dysmorphology in Isolated Sagittal Synostosis. <i>Journal of Craniofacial Surgery</i> , 2010, 21, 1404-1410.	0.3	29
41	Multiethnic GWAS Reveals Polygenic Architecture of Earlobe Attachment. <i>American Journal of Human Genetics</i> , 2017, 101, 913-924.	2.6	29
42	Selective serotonin reuptake inhibitor exposure alters osteoblast gene expression and craniofacial development in mice. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2014, 100, 912-923.	1.6	27
43	Craniofacial Shape Variation in Twist1 <sup>+/Δ</sup> Mutant Mice. <i>Anatomical Record</i> , 2014, 297, 826-833.	0.8	26
44	FoxO6 regulates Hippo signaling and growth of the craniofacial complex. <i>PLoS Genetics</i> , 2018, 14, e1007675.	1.5	25
45	Anatomical Basis for Apparent Subepithelial Cleft Lip: A Histological and Ultrasonographic Survey of the Orbicularis Oris Muscle. <i>Cleft Palate-Craniofacial Journal</i> , 2008, 45, 518-524.	0.5	24
46	Identification of 16q21 as a modifier of nonsyndromic orofacial cleft phenotypes. <i>Genetic Epidemiology</i> , 2017, 41, 887-897.	0.6	24
47	Body size and allometric variation in facial shape in children. <i>American Journal of Physical Anthropology</i> , 2018, 165, 327-342.	2.1	23
48	SNPs Associated With Testosterone Levels Influence Human Facial Morphology. <i>Frontiers in Genetics</i> , 2018, 9, 497.	1.1	23
49	Candidate Genes for Oral-Facial Clefts in Guatemalan Families. <i>Annals of Plastic Surgery</i> , 2006, 56, 518-521.	0.5	22
50	Landmarking the Brain for Geometric Morphometric Analysis: An Error Study. <i>PLoS ONE</i> , 2014, 9, e86005.	1.1	22
51	Hunting for genes that shape human faces: Initial successes and challenges for the future. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 207-212.	1.2	22
52	Cleft lip/palate and educational attainment: cause, consequence or correlation? A Mendelian randomization study. <i>International Journal of Epidemiology</i> , 2020, 49, 1282-1293.	0.9	21
53	Six NSCL/P Loci Show Associations With Normal-Range Craniofacial Variation. <i>Frontiers in Genetics</i> , 2018, 9, 502.	1.1	20
54	Decoding the Human Face: Progress and Challenges in Understanding the Genetics of Craniofacial Morphology. <i>Annual Review of Genomics and Human Genetics</i> , 2022, 23, 383-412.	2.5	20

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55	Evaluation of non-metric variation in the crania of black and white perinates. <i>Forensic Science International</i> , 2005, 151, 177-185.	1.3	19
56	Improved detection of landmarks on 3D human face data. , 2013, 2013, 6482-5.		19
57	Pvr receptor tyrosine kinase promotes tissue closure by coordinating corpse removal and epidermal zippering. <i>Development (Cambridge)</i> , 2015, 142, 3403-15.	1.2	19
58	Whole genome sequencing of orofacial cleft trios from the Gabriella Miller Kids First Pediatric Research Consortium identifies a new locus on chromosome 21. <i>Human Genetics</i> , 2020, 139, 215-226.	1.8	19
59	Sex Differences in Adult Facial Three-Dimensional Morphology: Application to Gender-Affirming Facial Surgery. <i>Facial Plastic Surgery and Aesthetic Medicine</i> , 2022, 24, S-24-S-30.	0.5	19
60	Dermatoglyphic Pattern Types in Subjects with Nonsyndromic Cleft Lip with or without Cleft Palate (CL/P) and Their Unaffected Relatives in the Philippines. <i>Cleft Palate-Craniofacial Journal</i> , 2005, 42, 362-366.	0.5	18
61	Association of low-frequency genetic variants in regulatory regions with nonsyndromic orofacial clefts. <i>American Journal of Medical Genetics, Part A</i> , 2019, 179, 467-474.	0.7	18
62	Pleiotropy method reveals genetic overlap between orofacial clefts at multiple novel loci from GWAS of multi-ethnic trios. <i>PLoS Genetics</i> , 2021, 17, e1009584.	1.5	18
63	Bilateral Asymmetry in Chinese Families with Cleft Lip with or without Cleft Palate. <i>Cleft Palate-Craniofacial Journal</i> , 2005, 42, 192-196.	0.5	17
64	Large-scale open-source three-dimensional growth curves for clinical facial assessment and objective description of facial dysmorphism. <i>Scientific Reports</i> , 2021, 11, 12175.	1.6	17
65	Genome-Wide Association Study of Non-syndromic Orofacial Clefts in a Multiethnic Sample of Families and Controls Identifies Novel Regions. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 621482.	1.8	16
66	Genome-Wide Association Study (GWAS) of dental caries in diverse populations. <i>BMC Oral Health</i> , 2021, 21, 377.	0.8	16
67	Corpus Callosum Shape Is Altered in Individuals With Nonsyndromic Cleft Lip and Palate. <i>American Journal of Medical Genetics, Part A</i> , 2013, 161, 1002-1007.	0.7	15
68	Genome-wide interaction studies identify sex-specific risk alleles for nonsyndromic orofacial clefts. <i>Genetic Epidemiology</i> , 2018, 42, 664-672.	0.6	15
69	Effects of In Utero Thyroxine Exposure on Murine Cranial Suture Growth. <i>PLoS ONE</i> , 2016, 11, e0167805.	1.1	15
70	<i>FAT4</i> identified as a potential modifier of orofacial cleft laterality. <i>Genetic Epidemiology</i> , 2021, 45, 721-735.	0.6	14
71	3D stereophotogrammetry versus traditional craniofacial anthropometry: Comparing measurements from the 3D facial norms database to Farkas's North American norms. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019, 155, 693-701.	0.8	13
72	3D facial phenotyping by biometric sibling matching used in contemporary genomic methodologies. <i>PLoS Genetics</i> , 2021, 17, e1009528.	1.5	13

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73	Genome scans of facial features in East Africans and cross-population comparisons reveal novel associations. <i>PLoS Genetics</i> , 2021, 17, e1009695.	1.5	13
74	Thyroxine Exposure Effects on the Cranial Base. <i>Calcified Tissue International</i> , 2017, 101, 300-311.	1.5	12
75	Exploring palatal and dental shape variation with 3D shape analysis and geometric deep learning. <i>Orthodontics and Craniofacial Research</i> , 2021, 24, 134-143.	1.2	12
76	Dermatoglyphic Fingerprint Heterogeneity Among Individuals with Nonsyndromic Cleft Lip With or Without Cleft Palate and Their Unaffected Relatives in China and the Philippines. <i>Human Biology</i> , 2005, 77, 257-266.	0.4	11
77	Effects of Citalopram on Sutural and Calvarial Cell Processes. <i>PLoS ONE</i> , 2015, 10, e0139719.	1.1	11
78	Hypertelorism and Orofacial Clefting Revisited: An Anthropometric Investigation. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 631-638.	0.5	11
79	Mapping genetic variants for cranial vault shape in humans. <i>PLoS ONE</i> , 2018, 13, e0196148.	1.1	11
80	Was facial width-to-height ratio subject to sexual selection pressures? A life course approach. <i>PLoS ONE</i> , 2021, 16, e0240284.	1.1	11
81	Exploring Subclinical Phenotypic Features in Twin Pairs Discordant for Cleft Lip and Palate. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 90-93.	0.5	10
82	Effects of Male Facial Masculinity on Perceived Attractiveness. <i>Adaptive Human Behavior and Physiology</i> , 2021, 7, 73-88.	0.6	10
83	The Intersection of the Genetic Architectures of Orofacial Clefts and Normal Facial Variation. <i>Frontiers in Genetics</i> , 2021, 12, 626403.	1.1	10
84	A survey of U.S. public perspectives on facial recognition technology and facial imaging data practices in health and research contexts. <i>PLoS ONE</i> , 2021, 16, e0257923.	1.1	10
85	Haploinsufficiency of interferon regulatory factor 6 alters brain morphology in the mouse. <i>American Journal of Medical Genetics, Part A</i> , 2014, 164, 655-660.	0.7	9
86	Craniofacial shape in children with and without a positive otitis media history. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2016, 84, 110-115.	0.4	9
87	A Multivariate Approach to Determine the Dimensionality of Human Facial Asymmetry. <i>Symmetry</i> , 2020, 12, 348.	1.1	9
88	The PAX1 locus at 20p11 is a potential genetic modifier for bilateral cleft lip. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100025.	1.0	9
89	Coronal Suturectomy Does Not Cause Acute Postoperative Displacement in the Cranial Bases of Craniostomotic Rabbits. <i>Journal of Craniofacial Surgery</i> , 2002, 13, 196-201.	0.3	8
90	Comparison of Email Communication Skills Among First- and Fourth-Year Dental Students. <i>Journal of Dental Education</i> , 2013, 77, 1413-1424.	0.7	8

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91	Maternal environment and craniofacial growth: geometric morphometric analysis of mandibular shape changes with <i>in utero</i> thyroxine overexposure in mice. <i>Journal of Anatomy</i> , 2018, 233, 46-54.	0.9	8
92	Exploration of genetic factors determining cleft side in a pair of monozygotic twins with mirror-image cleft lip and palate using whole-genome sequencing and comparison of craniofacial morphology. <i>Archives of Oral Biology</i> , 2018, 96, 33-38.	0.8	8
93	GWAS reveals loci associated with velopharyngeal dysfunction. <i>Scientific Reports</i> , 2018, 8, 8470.	1.6	8
94	Integrative approaches generate insights into the architecture of non-syndromic cleft lip $\pm$ cleft palate. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100038.	1.0	8
95	Characterization of Dermatoglyphics in PHOX2B-Confirmed Congenital Central Hypoventilation Syndrome. <i>Pediatrics</i> , 2006, 118, e408-e414.	1.0	7
96	Effects of thyroxine exposure on the <i>Twist 1</i> phenotype: A test of gene-environment interaction modeling for craniosynostosis. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2016, 106, 803-813.	1.6	7
97	Testing the face shape hypothesis in twins discordant for nonsyndromic orofacial clefting. <i>American Journal of Medical Genetics, Part A</i> , 2017, 173, 2886-2892.	0.7	7
98	Ear Infection in Isolated Cleft Lip: Etiological Implications. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 189-192.	0.5	6
99	Diagnosing subtle palatal anomalies: Validation of video-analysis and assessment protocol for diagnosing occult submucous cleft palate. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2017, 100, 242-246.	0.4	6
100	Three-dimensional assessment of the pharyngeal airway in Japanese preschoolers with orofacial clefts. <i>Laryngoscope</i> , 2020, 130, 533-540.	1.1	6
101	Individuals with nonsyndromic orofacial clefts have increased asymmetry of fingerprint patterns. <i>PLoS ONE</i> , 2020, 15, e0230534.	1.1	6
102	Fluctuating Asymmetry and Sexual Dimorphism in Human Facial Morphology: A Multi-Variate Study. <i>Symmetry</i> , 2021, 13, 304.	1.1	6
103	PRICKLE1 – FOCAD Interaction Revealed by Genome-Wide vQTL Analysis of Human Facial Traits. <i>Frontiers in Genetics</i> , 2021, 12, 674642.	1.1	6
104	Growth factor signaling alters the morphology of the zebrafish ethmoid plate. <i>Journal of Anatomy</i> , 2017, 230, 701-709.	0.9	5
105	Measuring digit lengths with 3D digital stereophotogrammetry: A comparison across methods. <i>American Journal of Human Biology</i> , 2018, 30, e23133.	0.8	5
106	Whole-genome sequencing in a pair of monozygotic twins with discordant cleft lip and palate subtypes. <i>Oral Diseases</i> , 2018, 24, 1303-1309.	1.5	5
107	Mutant COMP shapes growth and development of skull and facial structures in mice and humans. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2020, 8, e1251.	0.6	5
108	Prevalence of Torus Palatinus and association with dental arch shape in a multi-ethnic cohort. <i>HOMO- Journal of Comparative Human Biology</i> , 2020, 71, 273-280.	0.3	5

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109	Soft tissue nasal asymmetry as an indicator of orofacial cleft predisposition. American Journal of Medical Genetics, Part A, 2018, 176, 1296-1303.	0.7	4
110	Parents of Children With Nonsyndromic Orofacial Clefting Show Altered Palate Shape. Cleft Palate-Craniofacial Journal, 2021, 58, 847-853.	0.5	4
111	Genome-wide association study of multiethnic nonsyndromic orofacial cleft families identifies novel loci specific to family and phenotypic subtypes. Genetic Epidemiology, 2022, , .	0.6	4
112	TWIST1 interacts with $\beta$ -catenins during neural tube development and regulates fate transition in cranial neural crest cells. Development (Cambridge), 2022, 149, .	1.2	4
113	Evidence of Olfactory Deficits as Part of the Phenotypic Spectrum of Nonsyndromic Orofacial Clefting. Journal of Craniofacial Surgery, 2015, 26, 84-86.	0.3	3
114	Impact of low-frequency coding variants on human facial shape. Scientific Reports, 2021, 11, 748.	1.6	3
115	Automated landmarking for palatal shape analysis using geometric deep learning. Orthodontics and Craniofacial Research, 2021, , .	1.2	3
116	U.S. Adult Perspectives on Facial Images, DNA, and Other Biometrics. IEEE Transactions on Technology and Society, 2022, 3, 9-15.	2.4	3
117	Genome-wide Interaction Study Implicates VGLL2 and Alcohol Exposure and PRL and Smoking in Orofacial Cleft Risk. Frontiers in Cell and Developmental Biology, 2022, 10, 621261.	1.8	3
118	What's Shape Got to Do With It? Examining the Relationship Between Facial Shape and Orofacial Clefting. Frontiers in Genetics, 2022, 13, 891502.	1.1	3
119	Letter to the Editor. Cleft Palate-Craniofacial Journal, 2007, 44, 683-684.	0.5	2
120	Detecting Gene-Environment Interaction for Maternal Exposures Using Case-Parent Trios Ascertained Through a Case With Non-Syndromic Orofacial Cleft. Frontiers in Cell and Developmental Biology, 2021, 9, 621018.	1.8	2
121	Comparison of e-mail communication skills among first- and fourth-year dental students. Journal of Dental Education, 2013, 77, 1413-24.	0.7	2
122	The Influence of Sex and Ancestry on Three-Dimensional Palate Shape. Journal of Craniofacial Surgery, 2021, 32, 2883-2887.	0.3	1
123	Heritability Analysis in Twins Indicates a Genetic Basis for Velopharyngeal Morphology. Cleft Palate-Craniofacial Journal, 2022, 59, 1340-1345.	0.5	1
124	Digital Three-Dimensional Photogrammetry: Craniofacial Applications to Facial Growth, Orthognathic and Reconstructive Surgery, and Morphometrics. , 2012, , 2511-2520.		1
125	Stretching the Face: Mimetic Muscles Have Muscle Spindles. FASEB Journal, 2022, 36, .	0.2	1
126	Landmark-Based Shape Analysis of the Brain: An Error Study. FASEB Journal, 2011, 25, .	0.2	0



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127	Effect of Thyroid Hormone Exposure on Murine Calvarial Derived Pre-Osteoblasts. FASEB Journal, 2012, 26, 907.8.	0.2	0
128	Hypoxic environments cause differential facial shape variation in zebrafish. FASEB Journal, 2012, 26, 907.9.	0.2	0
129	Novel Genetic Loci Affecting Facial Shape Variation in Humans. SSRN Electronic Journal, 0, , .	0.4	0
130	First Systematic Documentation of Sex Differences in Craniofacial Norms of Nigerian Children. FASEB Journal, 2019, 33, 452.10.	0.2	0