

# Seth M Weinberg

## 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.

126  
papers

2,775  
citations

26  
h-index

49  
g-index

144  
ext. papers

3,628  
ext. citations

4.7  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
126	Limb development genes underlie variation in human fingerprint patterns.. <i>Cell</i> , <b>2022</b> , 185, 95-112.e18	56.2	2
125	Genome-wide Interaction Study Implicates and Alcohol Exposure and and Smoking in Orofacial Cleft Risk.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 621261	5.7	3
124	U.S. Adult Perspectives on Facial Images, DNA, and Other Biometrics.. <i>IEEE Transactions on Technology and Society</i> , <b>2022</b> , 3, 9-15	5.2	1
123	What Shape Got to Do With It? Examining the Relationship Between Facial Shape and Orofacial Clefting.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 891502	4.5	0
122	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> , <b>2021</b> , 16, e0257923	3.7	4
121	Heritability Analysis in Twins Indicates a Genetic Basis for Velopharyngeal Morphology. <i>Cleft Palate-Craniofacial Journal</i> , <b>2021</b> , 10556656211045530	1.9	
120	Parents of Children With Nonsyndromic Orofacial Clefting Show Altered Palate Shape. <i>Cleft Palate-Craniofacial Journal</i> , <b>2021</b> , 58, 847-853	1.9	1
119	Detecting Gene-Environment Interaction for Maternal Exposures Using Case-Parent Trios Ascertained Through a Case With Non-Syndromic Orofacial Cleft. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 621018	5.7	0
118	Shared heritability of human face and brain shape. <i>Nature Genetics</i> , <b>2021</b> , 53, 830-839	36.3	7
117	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> , <b>2021</b> , 9, 621482	5.7	5
116	The PAX1 locus at 20p11 is a potential genetic modifier for bilateral cleft lip. <i>Human Genetics and Genomics Advances</i> , <b>2021</b> , 2, 100025-100025	0.8	3
115	3D facial phenotyping by biometric sibling matching used in contemporary genomic methodologies. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009528	6	2
114	Large-scale open-source three-dimensional growth curves for clinical facial assessment and objective description of facial dysmorphism. <i>Scientific Reports</i> , <b>2021</b> , 11, 12175	4.9	2
113	Automated landmarking for palatal shape analysis using geometric deep learning. <i>Orthodontics and Craniofacial Research</i> , <b>2021</b> ,	3	1
112	FAT4 identified as a potential modifier of orofacial cleft laterality. <i>Genetic Epidemiology</i> , <b>2021</b> , 45, 721-735	3.5	1
111	Integrative approaches generate insights into the architecture of non-syndromic cleft lip with or without cleft palate.. <i>Human Genetics and Genomics Advances</i> , <b>2021</b> , 2, 100038	0.8	1
110	Pleiotropy method reveals genetic overlap between orofacial clefts at multiple novel loci from GWAS of multi-ethnic trios. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009584	6	4

109	Genome-Wide Association Study (GWAS) of dental caries in diverse populations. <i>BMC Oral Health</i> , <b>2021</b> , 21, 377	3.7	3
108	The Influence of Sex and Ancestry on Three-Dimensional Palate Shape. <i>Journal of Craniofacial Surgery</i> , <b>2021</b> , 32, 2883-2887	1.2	0
107	Effects of Male Facial Masculinity on Perceived Attractiveness. <i>Adaptive Human Behavior and Physiology</i> , <b>2021</b> , 7, 73-88	1.4	3
106	Insights into the genetic architecture of the human face. <i>Nature Genetics</i> , <b>2021</b> , 53, 45-53	36.3	20
105	Impact of low-frequency coding variants on human facial shape. <i>Scientific Reports</i> , <b>2021</b> , 11, 748	4.9	1
104	A GWAS in Latin Americans identifies novel face shape loci, implicating VPS13B and a Denisovan introgressed region in facial variation. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
103	Fluctuating Asymmetry and Sexual Dimorphism in Human Facial Morphology: A Multi-Variate Study. <i>Symmetry</i> , <b>2021</b> , 13,	2.7	3
102	The Intersection of the Genetic Architectures of Orofacial Clefts and Normal Facial Variation. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 626403	4.5	3
101	Was facial width-to-height ratio subject to sexual selection pressures? A life course approach. <i>PLoS ONE</i> , <b>2021</b> , 16, e0240284	3.7	6
100	Exploring palatal and dental shape variation with 3D shape analysis and geometric deep learning. <i>Orthodontics and Craniofacial Research</i> , <b>2021</b> ,	3	2
99	Genome scans of facial features in East Africans and cross-population comparisons reveal novel associations. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009695	6	2
98	Interaction Revealed by Genome-Wide vQTL Analysis of Human Facial Traits. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 674642	4.5	0
97	Cleft lip/palate and educational attainment: cause, consequence or correlation? A Mendelian randomization study. <i>International Journal of Epidemiology</i> , <b>2020</b> , 49, 1282-1293	7.8	12
96	Mutant COMP shapes growth and development of skull and facial structures in mice and humans. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2020</b> , 8, e1251	2.3	2
95	Individuals with nonsyndromic orofacial clefts have increased asymmetry of fingerprint patterns. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230534	3.7	2
94	A Multivariate Approach to Determine the Dimensionality of Human Facial Asymmetry. <i>Symmetry</i> , <b>2020</b> , 12,	2.7	6
93	Genome-wide Enrichment of De Novo Coding Mutations in Orofacial Cleft Trios. <i>American Journal of Human Genetics</i> , <b>2020</b> , 107, 124-136	11	16
92	Prevalence of Torus Palatinus and association with dental arch shape in a multi-ethnic cohort. <i>HOMO- Journal of Comparative Human Biology</i> , <b>2020</b> , 71, 273-280	0.5	3

91	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> , <b>2020</b> , 139, 215-226	6.3	8
90	Three-dimensional assessment of the pharyngeal airway in Japanese preschoolers with orofacial clefts. <i>Laryngoscope</i> , <b>2020</b> , 130, 533-540	3.6	4
89	A systematic genetic analysis and visualization of phenotypic heterogeneity among orofacial cleft GWAS signals. <i>Genetic Epidemiology</i> , <b>2019</b> , 43, 704-716	2.6	17
88	Facial recognition from DNA using face-to-DNA classifiers. <i>Nature Communications</i> , <b>2019</b> , 10, 2557	17.4	19
87	Hunting for genes that shape human faces: Initial successes and challenges for the future. <i>Orthodontics and Craniofacial Research</i> , <b>2019</b> , 22 Suppl 1, 207-212	3	8
86	3D stereophotogrammetry versus traditional craniofacial anthropometry: Comparing measurements from the 3D facial norms database to Farkas® North American norms. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2019</b> , 155, 693-701	2.1	9
85	Novel genetic loci affecting facial shape variation in humans. <i>ELife</i> , <b>2019</b> , 8,	8.9	22
84	First Systematic Documentation of Sex Differences in Craniofacial Norms of Nigerian Children. <i>FASEB Journal</i> , <b>2019</b> , 33, 452.10	0.9	
83	Association of low-frequency genetic variants in regulatory regions with nonsyndromic orofacial clefts. <i>American Journal of Medical Genetics, Part A</i> , <b>2019</b> , 179, 467-474	2.5	9
82	Soft tissue nasal asymmetry as an indicator of orofacial cleft predisposition. <i>American Journal of Medical Genetics, Part A</i> , <b>2018</b> , 176, 1296-1303	2.5	3
81	Maternal environment and craniofacial growth: geometric morphometric analysis of mandibular shape changes with in utero thyroxine overexposure in mice. <i>Journal of Anatomy</i> , <b>2018</b> , 233, 46-54	2.9	2
80	Genome-wide mapping of global-to-local genetic effects on human facial shape. <i>Nature Genetics</i> , <b>2018</b> , 50, 414-423	36.3	105
79	Validation of the Vectra H1 portable three-dimensional photogrammetry system for facial imaging. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2018</b> , 47, 403-410	2.9	58
78	Investigating the shared genetics of non-syndromic cleft lip/palate and facial morphology. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007501	6	26
77	Mapping genetic variants for cranial vault shape in humans. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196148	3.7	6
76	Whole-genome sequencing in a pair of monozygotic twins with discordant cleft lip and palate subtypes. <i>Oral Diseases</i> , <b>2018</b> , 24, 1303-1309	3.5	4
75	Body size and allometric variation in facial shape in children. <i>American Journal of Physical Anthropology</i> , <b>2018</b> , 165, 327-342	2.5	14
74	SNPs Associated With Testosterone Levels Influence Human Facial Morphology. <i>Frontiers in Genetics</i> , <b>2018</b> , 9, 497	4.5	14

73	Six NSCL/P Loci Show Associations With Normal-Range Craniofacial Variation. <i>Frontiers in Genetics</i> , <b>2018</b> , 9, 502	4.5	10
72	FoxO6 regulates Hippo signaling and growth of the craniofacial complex. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007675		15
71	Genome-wide interaction studies identify sex-specific risk alleles for nonsyndromic orofacial clefts. <i>Genetic Epidemiology</i> , <b>2018</b> , 42, 664-672	2.6	11
70	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> , <b>2018</b> , 96, 33-38	2.8	5
69	Measuring digit lengths with 3D digital stereophotogrammetry: A comparison across methods. <i>American Journal of Human Biology</i> , <b>2018</b> , 30, e23133	2.7	2
68	GWAS reveals loci associated with velopharyngeal dysfunction. <i>Scientific Reports</i> , <b>2018</b> , 8, 8470	4.9	5
67	Ear Infection in Isolated Cleft Lip: Etiological Implications. <i>Cleft Palate-Craniofacial Journal</i> , <b>2017</b> , 54, 189-192	1.9	4
66	Exploring Subclinical Phenotypic Features in Twin Pairs Discordant for Cleft Lip and Palate. <i>Cleft Palate-Craniofacial Journal</i> , <b>2017</b> , 54, 90-93	1.9	9
65	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> , <b>2017</b> , 136, 275-286	6.3	92
64	Growth factor signaling alters the morphology of the zebrafish ethmoid plate. <i>Journal of Anatomy</i> , <b>2017</b> , 230, 701-709	2.9	1
63	Thyroxine Exposure Effects on the Cranial Base. <i>Calcified Tissue International</i> , <b>2017</b> , 101, 300-311	3.9	8
62	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> , <b>2017</b> , 173, 1531-1538	2.5	21
61	Testing the face shape hypothesis in twins discordant for nonsyndromic orofacial clefting. <i>American Journal of Medical Genetics, Part A</i> , <b>2017</b> , 173, 2886-2892	2.5	7
60	Diagnosing subtle palatal anomalies: Validation of video-analysis and assessment protocol for diagnosing occult submucous cleft palate. <i>International Journal of Pediatric Otorhinolaryngology</i> , <b>2017</b> , 100, 242-246	1.7	5
59	Multiethnic GWAS Reveals Polygenic Architecture of Earlobe Attachment. <i>American Journal of Human Genetics</i> , <b>2017</b> , 101, 913-924	11	17
58	Identification of 16q21 as a modifier of nonsyndromic orofacial cleft phenotypes. <i>Genetic Epidemiology</i> , <b>2017</b> , 41, 887-897	2.6	10
57	Hypertelorism and Orofacial Clefting Revisited: An Anthropometric Investigation. <i>Cleft Palate-Craniofacial Journal</i> , <b>2017</b> , 54, 631-638	1.9	6
56	Genome-wide association study of facial morphology reveals novel associations with <i>FREM1</i> and <i>PARK2</i> . <i>PLoS ONE</i> , <b>2017</b> , 12, e0176566	3.7	37

55	Effects of thyroxine exposure on the Twist 1 +/- phenotype: A test of gene-environment interaction modeling for craniosynostosis. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , <b>2016</b> , 106, 803-813		5
54	Using the 3D Facial Norms Database to investigate craniofacial sexual dimorphism in healthy children, adolescents, and adults. <i>Biology of Sex Differences</i> , <b>2016</b> , 7, 23	9.3	39
53	A Genome-wide Association Study of Nonsyndromic Cleft Palate Identifies an Etiologic Missense Variant in GRHL3. <i>American Journal of Human Genetics</i> , <b>2016</b> , 98, 744-54	11	93
52	Effects of In Utero Thyroxine Exposure on Murine Cranial Suture Growth. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167805	3.7	11
51	Genome-Wide Association Study Reveals Multiple Loci Influencing Normal Human Facial Morphology. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006149	6	80
50	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> , <b>2016</b> , 53, e185-e199	1.9	57
49	Craniofacial shape in children with and without a positive otitis media history. <i>International Journal of Pediatric Otorhinolaryngology</i> , <b>2016</b> , 84, 110-5	1.7	5
48	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> , <b>2016</b> , 25, 2862-2872	5.6	110
47	Evidence of olfactory deficits as part of the phenotypic spectrum of nonsyndromic orofacial clefting. <i>Journal of Craniofacial Surgery</i> , <b>2015</b> , 26, 84-6	1.2	3
46	The receptor tyrosine kinase Pvr promotes tissue closure by coordinating corpse removal and epidermal zipping. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 3403-15	6.6	12
45	Effects of Citalopram on Sutural and Calvarial Cell Processes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139719	3.7	7
44	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> , <b>2014</b> , 224, 688-709	2.9	26
43	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> , <b>2014</b> , 100, 912-23		23
42	Landmarking the brain for geometric morphometric analysis: an error study. <i>PLoS ONE</i> , <b>2014</b> , 9, e86005	3.7	17
41	Craniofacial shape variation in Twist1 +/- mutant mice. <i>Anatomical Record</i> , <b>2014</b> , 297, 826-33	2.1	20
40	Haploinsufficiency of interferon regulatory factor 6 alters brain morphology in the mouse. <i>American Journal of Medical Genetics, Part A</i> , <b>2014</b> , 164A, 655-60	2.5	8
39	Comparison of Email Communication Skills Among First and Fourth Year Dental Students. <i>Journal of Dental Education</i> , <b>2013</b> , 77, 1413-1424	1.6	6
38	Improved detection of landmarks on 3D human face data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 6482-5	0.9	14

37	Corpus callosum shape is altered in individuals with nonsyndromic cleft lip and palate. <i>American Journal of Medical Genetics, Part A</i> , <b>2013</b> , 161A, 1002-7	2.5	12
36	Effects of thyroxine exposure on osteogenesis in mouse calvarial pre-osteoblasts. <i>PLoS ONE</i> , <b>2013</b> , 8, e69067	3.7	28
35	Heritability of Face Shape in Twins: A Preliminary Study using 3D Stereophotogrammetry and Geometric Morphometrics <b>2013</b> , 1,		20
34	Comparison of e-mail communication skills among first- and fourth-year dental students. <i>Journal of Dental Education</i> , <b>2013</b> , 77, 1413-24	1.6	2
33	Digital Three-Dimensional Photogrammetry: Craniofacial Applications to Facial Growth, Orthognathic and Reconstructive Surgery, and Morphometrics <b>2012</b> , 2511-2520		1
32	Effect of Thyroid Hormone Exposure on Murine Calvarial Derived Pre-Osteoblasts. <i>FASEB Journal</i> , <b>2012</b> , 26, 907.8	0.9	
31	Hypoxic environments cause differential facial shape variation in zebrafish. <i>FASEB Journal</i> , <b>2012</b> , 26, 907.9	0.9	
30	The FaceBase Consortium: a comprehensive program to facilitate craniofacial research. <i>Developmental Biology</i> , <b>2011</b> , 355, 175-82	3.1	59
29	Preoperative craniofacial dysmorphology in isolated sagittal synostosis: a comprehensive anthropometric evaluation. <i>Journal of Craniofacial Surgery</i> , <b>2010</b> , 21, 1404-10	1.2	26
28	3D digital stereophotogrammetry: a practical guide to facial image acquisition. <i>Head &amp; Face Medicine</i> , <b>2010</b> , 6, 18	2.4	122
27	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> , <b>2009</b> , 149A, 2673-9	2.5	29
26	Comparative microanatomy of the orbicularis oris muscle between chimpanzees and humans: evolutionary divergence of lip function. <i>Journal of Anatomy</i> , <b>2009</b> , 214, 36-44	2.9	24
25	Three-dimensional morphometric analysis of brain shape in nonsyndromic orofacial clefting. <i>Journal of Anatomy</i> , <b>2009</b> , 214, 926-36	2.9	31
24	Mutations in BMP4 are associated with subepithelial, microform, and overt cleft lip. <i>American Journal of Human Genetics</i> , <b>2009</b> , 84, 406-11	11	150
23	Anatomical basis for apparent subepithelial cleft lip: a histological and ultrasonographic survey of the orbicularis oris muscle. <i>Cleft Palate-Craniofacial Journal</i> , <b>2008</b> , 45, 518-24	1.9	18
22	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> , <b>2008</b> , 146A, 409-20	2.5	40
21	Rethinking isolated cleft palate: evidence of occult lip defects in a subset of cases. <i>American Journal of Medical Genetics, Part A</i> , <b>2008</b> , 146A, 1670-5	2.5	33
20	Minor physical anomalies in schizophrenia: a meta-analysis. <i>Schizophrenia Research</i> , <b>2007</b> , 89, 72-85	3.6	86

19	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> , <b>2007</b> , 143A, 1143-9	2.5	59
18	The use of ultrasound to visualize the upper lips of noncleft and repaired-cleft individuals. <i>Cleft Palate-Craniofacial Journal</i> , <b>2007</b> , 44, 683-4; author reply 685	1.9	2
17	Characterization of dermatoglyphics in PHOX2B-confirmed congenital central hypoventilation syndrome. <i>Pediatrics</i> , <b>2006</b> , 118, e408-14	7.4	6
16	Facial phenotype in children and young adults with PHOX2B-determined congenital central hypoventilation syndrome: quantitative pattern of dysmorphology. <i>Pediatric Research</i> , <b>2006</b> , 59, 39-45	3.2	45
15	Anthropometric precision and accuracy of digital three-dimensional photogrammetry: comparing the Genex and 3dMD imaging systems with one another and with direct anthropometry. <i>Journal of Craniofacial Surgery</i> , <b>2006</b> , 17, 477-83	1.2	229
14	Candidate genes for oral-facial clefts in Guatemalan families. <i>Annals of Plastic Surgery</i> , <b>2006</b> , 56, 518-21; discussion 521	1.7	21
13	The Pittsburgh Oral-Facial Cleft study: expanding the cleft phenotype. Background and justification. <i>Cleft Palate-Craniofacial Journal</i> , <b>2006</b> , 43, 7-20	1.9	80
12	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> , <b>2005</b> , 42, 362-6	1.9	16
11	Three-dimensional surface imaging: limitations and considerations from the anthropometric perspective. <i>Journal of Craniofacial Surgery</i> , <b>2005</b> , 16, 847-51	1.2	70
10	Bilateral asymmetry in Chinese families with cleft lip with or without cleft palate. <i>Cleft Palate-Craniofacial Journal</i> , <b>2005</b> , 42, 192-6	1.9	16
9	Evaluation of non-metric variation in the crania of black and white perinates. <i>Forensic Science International</i> , <b>2005</b> , 151, 177-85	2.6	12
8	Intraobserver error associated with measurements of the hand. <i>American Journal of Human Biology</i> , <b>2005</b> , 17, 368-71	2.7	86
7	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> , <b>2005</b> , 77, 257-66	1.2	9
6	Digital three-dimensional photogrammetry: evaluation of anthropometric precision and accuracy using a Genex 3D camera system. <i>Cleft Palate-Craniofacial Journal</i> , <b>2004</b> , 41, 507-18	1.9	157
5	Coronal suturectomy does not cause acute postoperative displacement in the cranial bases of craniostotic rabbits. <i>Journal of Craniofacial Surgery</i> , <b>2002</b> , 13, 196-201	1.2	7
4	Investigating the shared genetics of non-syndromic cleft lip/palate and facial morphology		1
3	Insights into the genetic architecture of the human face		1
2	Was facial width-to-height ratio subject to sexual selection pressures? A life course approach		1



- 1 Genome-wide association study of multiethnic non-syndromic orofacial cleft families identifies novel loci specific to family and phenotypic subtypes

1