

Seth M Weinberg

List of Publications by Year in descending order

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Version: 2024-02-01

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	U.S. Adult Perspectives on Facial Images, DNA, and Other Biometrics. <i>IEEE Transactions on Technology and Society</i> , 2022, 3, 9-15.	2.4	3
2	Heritability Analysis in Twins Indicates a Genetic Basis for Velopharyngeal Morphology. <i>Cleft Palate-Craniofacial Journal</i> , 2022, 59, 1340-1345.	0.5	1
3	Limb development genes underlie variation in human fingerprint patterns. <i>Cell</i> , 2022, 185, 95-112.e18.	13.5	30
4	Genome-wide Interaction Study Implicates VGLL2 and Alcohol Exposure and PRL and Smoking in Orofacial Cleft Risk. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 621261.	1.8	3
5	Genome-wide association study of multiethnic nonsyndromic orofacial cleft families identifies novel loci specific to family and phenotypic subtypes. <i>Genetic Epidemiology</i> , 2022, , .	0.6	4
6	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
7	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
8	Stretching the Face: Mimetic Muscles Have Muscle Spindles. <i>FASEB Journal</i> , 2022, 36, .	0.2	1
9	What's Shape Got to Do With It? Examining the Relationship Between Facial Shape and Orofacial Clefting. <i>Frontiers in Genetics</i> , 2022, 13, 891502.	1.1	3
10	TWIST1 interacts with β -catenins during neural tube development and regulates fate transition in cranial neural crest cells. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	4
11	Parents of Children With Nonsyndromic Orofacial Clefting Show Altered Palate Shape. <i>Cleft Palate-Craniofacial Journal</i> , 2021, 58, 847-853.	0.5	4
12	Effects of Male Facial Masculinity on Perceived Attractiveness. <i>Adaptive Human Behavior and Physiology</i> , 2021, 7, 73-88.	0.6	10
13	Insights into the genetic architecture of the human face. <i>Nature Genetics</i> , 2021, 53, 45-53.	9.4	94
14	Impact of low-frequency coding variants on human facial shape. <i>Scientific Reports</i> , 2021, 11, 748.	1.6	3
15	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
16	Fluctuating Asymmetry and Sexual Dimorphism in Human Facial Morphology: A Multi-Variate Study. <i>Symmetry</i> , 2021, 13, 304.	1.1	6
17	The Intersection of the Genetic Architectures of Orofacial Clefts and Normal Facial Variation. <i>Frontiers in Genetics</i> , 2021, 12, 626403.	1.1	10
18	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

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19	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> , 2021, 9, 621018.	1.8	2
20	Shared heritability of human face and brain shape. <i>Nature Genetics</i> , 2021, 53, 830-839.	9.4	57
21	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
22	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
23	3D facial phenotyping by biometric sibling matching used in contemporary genomic methodologies. <i>PLoS Genetics</i> , 2021, 17, e1009528.	1.5	13
24	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
25	Automated landmarking for palatal shape analysis using geometric deep learning. <i>Orthodontics and Craniofacial Research</i> , 2021, , .	1.2	3
26	<i>FAT4</i> identified as a potential modifier of orofacial cleft laterality. <i>Genetic Epidemiology</i> , 2021, 45, 721-735.	0.6	14
27	Integrative approaches generate insights into the architecture of non-syndromic cleft lip and cleft palate. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100038.	1.0	8
28	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
29	Genome-Wide Association Study (GWAS) of dental caries in diverse populations. <i>BMC Oral Health</i> , 2021, 21, 377.	0.8	16
30	The Influence of Sex and Ancestry on Three-Dimensional Palate Shape. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 2883-2887.	0.3	1
31	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
32	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
33	PRICKLE1-FOCAD Interaction Revealed by Genome-Wide vQTL Analysis of Human Facial Traits. <i>Frontiers in Genetics</i> , 2021, 12, 674642.	1.1	6
34	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
35	Three-dimensional assessment of the pharyngeal airway in Japanese preschoolers with orofacial clefts. <i>Laryngoscope</i> , 2020, 130, 533-540.	1.1	6
36	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

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37	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
38	Mutant COMP shapes growth and development of skull and facial structures in mice and humans. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1251.	0.6	5
39	Individuals with nonsyndromic orofacial clefts have increased asymmetry of fingerprint patterns. <i>PLoS ONE</i> , 2020, 15, e0230534.	1.1	6
40	A Multivariate Approach to Determine the Dimensionality of Human Facial Asymmetry. <i>Symmetry</i> , 2020, 12, 348.	1.1	9
41	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
42	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
43	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
44	Facial recognition from DNA using face-to-DNA classifiers. <i>Nature Communications</i> , 2019, 10, 2557.	5.8	46
45	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
46	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
47	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
48	Novel genetic loci affecting facial shape variation in humans. <i>ELife</i> , 2019, 8, .	2.8	58
49	First Systematic Documentation of Sex Differences in Craniofacial Norms of Nigerian Children. <i>FASEB Journal</i> , 2019, 33, 452.10.	0.2	0
50	Soft tissue nasal asymmetry as an indicator of orofacial cleft predisposition. <i>American Journal of Medical Genetics, Part A</i> , 2018, 176, 1296-1303.	0.7	4
51	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
52	Genome-wide mapping of global-to-local genetic effects on human facial shape. <i>Nature Genetics</i> , 2018, 50, 414-423.	9.4	205
53	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
54	Body size and allometric variation in facial shape in children. <i>American Journal of Physical Anthropology</i> , 2018, 165, 327-342.	2.1	23

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55	SNPs Associated With Testosterone Levels Influence Human Facial Morphology. <i>Frontiers in Genetics</i> , 2018, 9, 497.	1.1	23
56	Six NSCL/P Loci Show Associations With Normal-Range Craniofacial Variation. <i>Frontiers in Genetics</i> , 2018, 9, 502.	1.1	20
57	FoxO6 regulates Hippo signaling and growth of the craniofacial complex. <i>PLoS Genetics</i> , 2018, 14, e1007675.	1.5	25
58	Genome-wide interaction studies identify sex-specific risk alleles for nonsyndromic orofacial clefts. <i>Genetic Epidemiology</i> , 2018, 42, 664-672.	0.6	15
59	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
60	Measuring digit lengths with 3D digital stereophotogrammetry: A comparison across methods. <i>American Journal of Human Biology</i> , 2018, 30, e23133.	0.8	5
61	GWAS reveals loci associated with velopharyngeal dysfunction. <i>Scientific Reports</i> , 2018, 8, 8470.	1.6	8
62	Craniofacial genetics: Where have we been and where are we going?. <i>PLoS Genetics</i> , 2018, 14, e1007438.	1.5	32
63	Investigating the shared genetics of non-syndromic cleft lip/palate and facial morphology. <i>PLoS Genetics</i> , 2018, 14, e1007501.	1.5	44
64	Mapping genetic variants for cranial vault shape in humans. <i>PLoS ONE</i> , 2018, 13, e0196148.	1.1	11
65	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
66	Ear Infection in Isolated Cleft Lip: Etiological Implications. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 189-192.	0.5	6
67	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
68	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
69	Growth factor signaling alters the morphology of the zebrafish ethmoid plate. <i>Journal of Anatomy</i> , 2017, 230, 701-709.	0.9	5
70	Thyroxine Exposure Effects on the Cranial Base. <i>Calcified Tissue International</i> , 2017, 101, 300-311.	1.5	12
71	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
72	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

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73	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
74	Multiethnic GWAS Reveals Polygenic Architecture of Earlobe Attachment. <i>American Journal of Human Genetics</i> , 2017, 101, 913-924.	2.6	29
75	Identification of 16q21 as a modifier of nonsyndromic orofacial cleft phenotypes. <i>Genetic Epidemiology</i> , 2017, 41, 887-897.	0.6	24
76	Hypertelorism and Orofacial Clefting Revisited: An Anthropometric Investigation. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 631-638.	0.5	11
77	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
78	Genome-Wide Association Study Reveals Multiple Loci Influencing Normal Human Facial Morphology. <i>PLoS Genetics</i> , 2016, 12, e1006149.	1.5	140
79	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
80	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
81	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, dddw104.	1.4	163
82	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
83	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
84	A Genome-wide Association Study of Nonsyndromic Cleft Palate Identifies an Etiologic Missense Variant in <i>GRHL3</i> . <i>American Journal of Human Genetics</i> , 2016, 98, 744-754.	2.6	146
85	Effects of In Utero Thyroxine Exposure on Murine Cranial Suture Growth. <i>PLoS ONE</i> , 2016, 11, e0167805.	1.1	15
86	Effects of Citalopram on Sutural and Calvarial Cell Processes. <i>PLoS ONE</i> , 2015, 10, e0139719.	1.1	11
87	Evidence of Olfactory Deficits as Part of the Phenotypic Spectrum of Nonsyndromic Orofacial Clefting. <i>Journal of Craniofacial Surgery</i> , 2015, 26, 84-86.	0.3	3
88	Pvr receptor tyrosine kinase promotes tissue closure by coordinating corpse removal and epidermal zipper. <i>Development (Cambridge)</i> , 2015, 142, 3403-15.	1.2	19
89	Landmarking the Brain for Geometric Morphometric Analysis: An Error Study. <i>PLoS ONE</i> , 2014, 9, e86005.	1.1	22
90	Craniofacial Shape Variation in <i>Twist1</i> Mutant Mice. <i>Anatomical Record</i> , 2014, 297, 826-833.	0.8	26

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91	Haploinsufficiency of interferon regulatory factor 6 alters brain morphology in the mouse. American Journal of Medical Genetics, Part A, 2014, 164, 655-660.	0.7	9
92	Exploratory genotype-phenotype correlations of facial form and asymmetry in unaffected relatives of children with non-syndromic cleft lip and/or palate. Journal of Anatomy, 2014, 224, 688-709.	0.9	31
93	Selective serotonin reuptake inhibitor exposure alters osteoblast gene expression and craniofacial development in mice. Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 912-923.	1.6	27
94	Improved detection of landmarks on 3D human face data. , 2013, 2013, 6482-5.		19
95	Corpus Callosum Shape Is Altered in Individuals With Nonsyndromic Cleft Lip and Palate. American Journal of Medical Genetics, Part A, 2013, 161, 1002-1007.	0.7	15
96	Effects of Thyroxine Exposure on Osteogenesis in Mouse Calvarial Pre-Osteoblasts. PLoS ONE, 2013, 8, e69067.	1.1	36
97	Comparison of e-Mail Communication Skills Among First- and Fourth-Year Dental Students. Journal of Dental Education, 2013, 77, 1413-1424.	0.7	8
98	Heritability of face shape in twins: a preliminary study using 3D stereophotogrammetry and geometric morphometrics. Dentistry 3000, 2013, 1, 7-11.	0.1	39
99	Comparison of e-mail communication skills among first- and fourth-year dental students. Journal of Dental Education, 2013, 77, 1413-24.	0.7	2
100	Digital Three-Dimensional Photogrammetry: Craniofacial Applications to Facial Growth, Orthognathic and Reconstructive Surgery, and Morphometrics. , 2012, , 2511-2520.		1
101	Effect of Thyroid Hormone Exposure on Murine Calvarial Derived Pre-Osteoblasts. FASEB Journal, 2012, 26, 907.8.	0.2	0
102	Hypoxic environments cause differential facial shape variation in zebrafish. FASEB Journal, 2012, 26, 907.9.	0.2	0
103	The FaceBase Consortium: A comprehensive program to facilitate craniofacial research. Developmental Biology, 2011, 355, 175-182.	0.9	72
104	Landmark-Based Shape Analysis of the Brain: An Error Study. FASEB Journal, 2011, 25, .	0.2	0
105	Preoperative Craniofacial Dysmorphology in Isolated Sagittal Synostosis. Journal of Craniofacial Surgery, 2010, 21, 1404-1410.	0.3	29
106	3D digital stereophotogrammetry: a practical guide to facial image acquisition. Head & Face Medicine, 2010, 6, 18.	0.8	177
107	Whorl patterns on the lower lip are associated with nonsyndromic cleft lip with or without cleft palate. American Journal of Medical Genetics, Part A, 2009, 149A, 2673-2679.	0.7	32
108	Comparative microanatomy of the orbicularis oris muscle between chimpanzees and humans: evolutionary divergence of lip function. Journal of Anatomy, 2009, 214, 36-44.	0.9	32

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109	Three-dimensional morphometric analysis of brain shape in nonsyndromic orofacial clefting. <i>Journal of Anatomy</i> , 2009, 214, 926-936.	0.9	39
110	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
111	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
112	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
113	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
114	Letter to the Editor. <i>Cleft Palate-Craniofacial Journal</i> , 2007, 44, 683-684.	0.5	2
115	Minor physical anomalies in schizophrenia: A meta-analysis. <i>Schizophrenia Research</i> , 2007, 89, 72-85.	1.1	102
116	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
117	Anthropometric Precision and Accuracy of Digital Three-Dimensional Photogrammetry. <i>Journal of Craniofacial Surgery</i> , 2006, 17, 477-483.	0.3	276
118	Candidate Genes for Oral-Facial Clefts in Guatemalan Families. <i>Annals of Plastic Surgery</i> , 2006, 56, 518-521.	0.5	22
119	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
120	Characterization of Dermatoglyphics in PHOX2B-Confirmed Congenital Central Hypoventilation Syndrome. <i>Pediatrics</i> , 2006, 118, e408-e414.	1.0	7
121	Facial Phenotype in Children and Young Adults with PHOX2B-Determined Congenital Central Hypoventilation Syndrome: Quantitative Pattern of Dymorphology. <i>Pediatric Research</i> , 2006, 59, 39-45.	1.1	58
122	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
123	Three-Dimensional Surface Imaging: Limitations and Considerations From the Anthropometric Perspective. <i>Journal of Craniofacial Surgery</i> , 2005, 16, 847-851.	0.3	78
124	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
125	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
126	Intraobserver error associated with measurements of the hand. <i>American Journal of Human Biology</i> , 2005, 17, 368-371.	0.8	110

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127	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
128	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
129	Coronal Suturectomy Does Not Cause Acute Postoperative Displacement in the Cranial Bases of Craniosynostotic Rabbits. <i>Journal of Craniofacial Surgery</i> , 2002, 13, 196-201.	0.3	8
130	Novel Genetic Loci Affecting Facial Shape Variation in Humans. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0