Timothy C Cox

List of Publications by Year
in descending order

82 papers	3,245 citations	186265 28 h-index	182427 51 g-index
91 all docs	91 docs citations	91 times ranked	4974 citing authors

#	Article	IF	Citations
1	Altering calcium and phosphorus supplementation in pregnancy and lactation affects offspring craniofacial morphology in a sex-specific pattern. American Journal of Orthodontics and Dentofacial Orthopedics, 2022, 161, e446-e455.	1.7	3
2	Auriculocondylar syndrome 2 results from the dominant-negative action of PLCB4 variants. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	6
3	The E3 ligase TRIM1 ubiquitinates LRRK2 and controls its localization, degradation, and toxicity. Journal of Cell Biology, 2022, 221, .	5.2	8
4	A dyadic approach to the delineation of diagnostic entities in clinical genomics. American Journal of Human Genetics, 2021, 108, 8-15.	6.2	71
5	A GWAS in Latin Americans identifies novel face shape loci, implicating VPS13B and a Denisovan introgressed region in facial variation. Science Advances, 2021, 7, .	10.3	32
6	Pathogenic variants in CDH11 impair cell adhesion and cause Teebi hypertelorism syndrome. Human Genetics, 2021, 140, 1061-1076.	3.8	4
7	GATA3 is essential for separating patterning domains during facial morphogenesis. Development (Cambridge), 2021, 148, .	2.5	10
8	Response to Hamosh etÂal.. American Journal of Human Genetics, 2021, 108, 1809-1810.	6.2	0
9	Survey of spiking in the mouse visual system reveals functional hierarchy. Nature, 2021, 592, 86-92.	27.8	284
10	Effects of Multi-Generational Soft Diet Consumption on Mouse Craniofacial Morphology. Frontiers in Physiology, 2020, 11, 783.	2.8	10
11	A Synonymous Exonic Splice Silencer Variant in IRF6 as a Novel and Cryptic Cause of Non-Syndromic Cleft Lip and Palate. Genes, 2020, 11, 903.	2.4	6
12	Microcomputed tomography of craniofacial mineralized tissue: A practical user's guide to study planning and generating quality data. Bone, 2020, 137, 115408.	2.9	3
13	Sonic Hedgehog upregulation does not enhance the survival and engraftment of stem cell-derived cardiomyocytes in infarcted hearts. PLoS ONE, 2020, 15, e0227780.	2.5	4
14	CDH1 Mutation Distribution and Type Suggests Genetic Differences between the Etiology of Orofacial Clefting and Gastric Cancer. Genes, 2020, 11, 391.	2.4	11
15	Rapamycin rejuvenates oral health in aging mice. ELife, 2020, 9, .	6.0	59
16	Mutations in GDF11 and the extracellular antagonist, Follistatin, as a likely cause of Mendelian forms of orofacial clefting in humans. Human Mutation, 2019, 40, 1813-1825.	2.5	26
17	Altering calcium and phosphorus levels in utero affects adult mouse mandibular morphology. Orthodontics and Craniofacial Research, 2019, 22, 113-119.	2.8	9
18	Secreted metalloproteases ADAMTS9 and ADAMTS20 have a non-canonical role in ciliary vesicle growth during ciliogenesis. Nature Communications, 2019, 10, 953.	12.8	51

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19	Front Cover, Volume 40, Issue 10. Human Mutation, 2019, 40, i.	2.5	0
20	Associations between laterality of orofacial clefts and medical and academic outcomes. American Journal of Medical Genetics, Part A, 2018, 176, 267-276.	1.2	14
21	Loss of PiT-2 results in abnormal bone development and decreased bone mineral density and length in mice. Biochemical and Biophysical Research Communications, 2018, 495, 553-559.	2.1	17
22	Mutations in the Epithelial Cadherin-p120-Catenin Complex Cause Mendelian Non-Syndromic Cleft Lip with or without Cleft Palate. American Journal of Human Genetics, 2018, 102, 1143-1157.	6.2	94
23	PiT-2, a type III sodium-dependent phosphate transporter, protects against vascular calcification in mice with chronic kidney disease fed a high-phosphate diet. Kidney International, 2018, 94, 716-727.	5.2	42
24	SLC20A2 Deficiency in Mice Leads to Elevated Phosphate Levels in Cerbrospinal Fluid and Glymphatic Pathwayâ€Associated Arteriolar Calcification, and Recapitulates Human Idiopathic Basal Ganglia Calcification. Brain Pathology, 2017, 27, 64-76.	4.1	59
25	Negative regulation of Endothelin signaling by SIX1 is required for proper maxillary development. Development (Cambridge), 2017, 144, 2021-2031.	2.5	36
26	Rapamycin treatment attenuates age-associated periodontitis in mice. GeroScience, 2017, 39, 457-463.	4.6	61
27	Intraâ€•and Intersexual swim bladder dimorphisms in the plainfin midshipman fish (Porichthys) Tj ETQq1 1 0.784314 rgBT /Overloc Journal of Morphology, 2017, 278, 1458-1468.	1.2	17
28	Multiethnic GWAS Reveals Polygenic Architecture of Earlobe Attachment. American Journal of Human Genetics, 2017, 101, 913-924.	6.2	29
29	Isl1 Controls Patterning and Mineralization of Enamel in the Continuously Renewing Mouse Incisor. Journal of Bone and Mineral Research, 2017, 32, 2219-2231.	2.8	14
30	Differences in Oral Structure and Tissue Interactions during Mouse vs. Human Palatogenesis: Implications for the Translation of Findings from Mice. Frontiers in Physiology, 2017, 8, 154.	2.8	29
31	Retreatability of two endodontic sealers, EndoSequence BC Sealer and AH Plus: a micro-computed tomographic comparison. Restorative Dentistry & Endodontics, 2017, 42, 19.	1.5	71
32	Full Spectrum of Postnatal Tooth Phenotypes in a Novel Irf6 Cleft Lip Model. Journal of Dental Research, 2016, 95, 1265-1273.	5.2	30
33	Inhibition of Notch Signaling During Mouse Incisor Renewal Leads to Enamel Defects. Journal of Bone and Mineral Research, 2016, 31, 152-162.	2.8	21
34	A distal 594bp ECR specifies Hmx1 expression in pinna and lateral facial morphogenesis and is regulated by Hox-Pbx-Meis. Development (Cambridge), 2016, 143, 2582-92.	2.5	13
35	p27 kip1 Knockout enhances collateralization in response to hindlimb ischemia. Journal of Vascular Surgery, 2016, 63, 1351-1359.	1.1	4
36	Discovery and characterization of spontaneous mouse models of craniofacial dysmorphology. Developmental Biology, 2016, 415, 216-227.	2.0	32

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37	Abstract 167: Doxycycline Inhibits Revascularization After Hindlimb Ischemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
38	Multi-species Ontologies of the Craniofacial Musculoskeletal System. CEUR Workshop Proceedings, 2016, 1747, .	2.3	0
39	Digging adaptation in insectivorous subterranean eutherians. The enigma ofMesoscalops montanensisunveiled by geometric morphometrics and finite element analysis. Journal of Morphology, 2015, 276, 1157-1171.	1.2	27
40	Quantitative trait loci affecting the 3D skull shape and size in mouse and prioritization of candidate genes in-silico. Frontiers in Physiology, 2015, 6, 92.	2.8	52
41	Osseous Characteristics of Mice Lacking Cannabinoid Receptor 2 after Pulp Exposure. Journal of Endodontics, 2015, 41, 853-857.	3.1	6
42	Automated Detection of 3D Landmarks for the Elimination of Non-Biological Variation in Geometric Morphometric Analyses. , 2015, 2015, 78-83.		13
43	Utility and limitations of animal models for the functional validation of human sequence variants. Molecular Genetics & Genomic Medicine, 2015, 3, 375-382.	1.2	10
44	Impaired myocardial development resulting in neonatal cardiac hypoplasia alters postnatal growth and stress response in the heart. Cardiovascular Research, 2015, 106, 43-54.	3.8	22
45	Genome-Wide Association Studies in Dogs and Humans Identify ADAMTS20 as a Risk Variant for Cleft Lip and Palate. PLoS Genetics, 2015, 11, e1005059.	3.5	82
46	In-silico QTL mapping of postpubertal mammary ductal development in the mouse uncovers potential human breast cancer risk loci. Mammalian Genome, 2015, 26, 57-79.	2.2	15
47	Molecular Genetics and Biology of Craniofacial Craniosynostoses. , 2015, , 499-520.		1
48	Postnatal Ontogeny of the Cranial Base and Craniofacial Skeleton in Male C57BL/6J Mice: A Reference Standard for Quantitative Analysis. Frontiers in Physiology, 2015, 6, 417.	2.8	61
49	Respiratory tract lung geometry and dosimetry model for male Sprague-Dawley rats. Inhalation Toxicology, 2014, 26, 524-544.	1.6	17
50	Genetic evidence for conserved non-coding element function across speciesâ€“the ears have it. Frontiers in Physiology, 2014, 5, 7.	2.8	12
51	Evaluation and integration of disparate classification systems for clefts of the lip. Frontiers in Physiology, 2014, 5, 163.	2.8	24
52	The genetics of auricular development and malformation: New findings in model systems driving future directions for microtia research. European Journal of Medical Genetics, 2014, 57, 394-401.	1.3	100
53	A micro-computed tomography-based comparison of the canal transportation and centering ability of ProTaper Universal rotary and WaveOne reciprocating files. Quintessence International, 2014, 45, 101-8.	0.4	10
54	No evidence for cumulative effects in a Dnmt3b hypomorph across multiple generations. Mammalian Genome, 2013, 24, 206-217.	2.2	12

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55	Microtomographic Analysis of Lower Urinary Tract Obstruction. Pediatric and Developmental Pathology, 2013, 16, 405-414.	1.0	9
56	X-linked microtubule-associated protein, Mid1, regulates axon development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19131-19136.	7.1	30
57	Perspectives and challenges in advancing research into craniofacial anomalies. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2013, 163, 213-217.	1.6	14
58	Effects of Cell Grafting on Coronary Remodeling After Myocardial Infarction. Journal of the American Heart Association, 2013, 2, e000202.	3.7	14
59	Preferential Associated Anomalies in 818 Cases of Microtia in South America. American Journal of Medical Genetics, Part A, 2013, 161, 1051-1057.	1.2	22
60	Oculoauriculofrontonasal syndrome: Case series revealing new bony nasal anomalies in an old syndrome. American Journal of Medical Genetics, Part A, 2013, 161, 1345-1353.	1.2	15
61	The MID1 E3 Ligase Catalyzes the Polyubiquitination of Alpha4 (Î±4), a Regulatory Subunit of Protein Phosphatase 2A (PP2A). Journal of Biological Chemistry, 2013, 288, 21341-21350.	3.4	32
62	A likely role for the PH-domain containing protein, PEPP2/ PLEKHA5, at the membrane-microtubule cytoskeleton interface. Biocell, 2013, 37, 55-61.	0.7	4
63	Phenotypic characterization of new mouse model of class III malocclusion. Egyptian Orthodontic Journal, 2013, 44, 21-28.	0.2	0
64	Human Development Domain of the Ontology of Craniofacial Development and Malformation. CEUR Workshop Proceedings, 2013, 1060, 74-77.	2.3	0
65	Comparative Computational Modeling of Airflows and Vapor Dosimetry in the Respiratory Tracts of Rat, Monkey, and Human. Toxicological Sciences, 2012, 128, 500-516.	3.1	141
66	Deletion of a conserved regulatory element required for Hmx1 expression in craniofacial mesenchyme in the dumbo rat: a novel cause of congenital ear malformation. DMM Disease Models and Mechanisms, 2012, 5, 812-22.	2.4	24
67	Comparing Canal Transportation and Centering Ability of EndoSequence and Vortex Rotary Files by Using Microâ€“Computed Tomography. Journal of Endodontics, 2012, 38, 1121-1125.	3.1	30
68	Branchâ€Based Model for the Diameters of the Pulmonary Airways: Accounting for Departures From Selfâ€Consistency and Registration Errors. Anatomical Record, 2012, 295, 1027-1044.	1.4	2
69	A Human Homeotic Transformation Resulting from Mutations in PLCB4 and GNAI3 Causes Auriculocondylar Syndrome. American Journal of Human Genetics, 2012, 90, 907-914.	6.2	75
70	Hmx1 is required for the normal development of somatosensory neurons in the geniculate ganglion. Developmental Biology, 2012, 365, 152-163.	2.0	23
71	Microtia: Epidemiology and genetics. American Journal of Medical Genetics, Part A, 2012, 158A, 124-139.	1.2	323
72	The Microtubule-Associated C-I Subfamily of TRIM Proteins and the Regulation of Polarized Cell Responses. Advances in Experimental Medicine and Biology, 2012, 770, 105-118.	1.6	13

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73	Facial suture synostosis of newborn Fgfr1P250R/+ and Fgfr2S252W/+ mouse models of Pfeiffer and Apert syndromes. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 603-609.	1.6	34
74	Vascular remodeling of the vitelline artery initiates extravascular emergence of hematopoietic clusters. Blood, 2010, 116, 3435-3444.	1.4	68
75	A genome-wide screen for modifiers of transgene variegation identifies genes with critical roles in development. Genome Biology, 2008, 9, R182.	9.6	97
76	Subclassification of the RBCC/TRIM Superfamily Reveals a Novel Motif Necessary for Microtubule Binding. Journal of Biological Chemistry, 2006, 281, 8970-8980.	3.4	264
77	Mild phenotypes in a series of patients with Opitz GBBB syndrome withMID1mutations. American Journal of Medical Genetics, Part A, 2005, 132A, 1-7.	1.2	59
78	MID1 and MID2 homo- and heterodimerise to tether the rapamycin-sensitive PP2A regulatory subunit, alpha 4, to microtubules: implications for the clinical variability of X-linked Opitz GBBB syndrome and other developmental disorders. BMC Cell Biology, 2002, 3, 1.	3.0	109
79	Isolation and characterisation of the chick orthologue of the Opitz syndrome gene, Mid1, supports a conserved role in vertebrate development. International Journal of Developmental Biology, 2002, 46, 441-8.	0.6	18
80	New mutations in MID1 provide support for loss of function as the cause of X-linked Opitz syndrome. Human Molecular Genetics, 2000, 9, 2553-2562.	2.9	88
81	FXY2/MID2, a Gene Related to the X-Linked Opitz Syndrome Gene FXY/MID1, Maps to Xq22 and Encodes a FNIII Domain-Containing Protein That Associates with Microtubules. Genomics, 1999, 62, 385-394.	2.9	33
82	3-D Imaging of Biomedical Samples. , 0, , 203-221.		2