

Terence D Capellini

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,089
citations

257101

24
h-index

264894

42
g-index

62
all docs

62
docs citations

62
times ranked

3252
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-specific loss of regulatory DNA and the evolution of human-specific traits. <i>Nature</i> , 2011, 471, 216-219.	13.7	439
2	Pbx1/Pbx2 requirement for distal limb patterning is mediated by the hierarchical control of Hox gene spatial distribution and Shh expression. <i>Development (Cambridge)</i> , 2006, 133, 2263-2273.	1.2	172
3	Ancient selection for derived alleles at a GDF5 enhancer influencing human growth and osteoarthritis risk. <i>Nature Genetics</i> , 2017, 49, 1202-1210.	9.4	77
4	The TALE Homeodomain Protein Pbx2 Is Not Essential for Development and Long-Term Survival. <i>Molecular and Cellular Biology</i> , 2004, 24, 5324-5331.	1.1	76
5	Congenital Asplenia in Mice and Humans with Mutations in a Pbx/Nkx2-5/p15 Module. <i>Developmental Cell</i> , 2012, 22, 913-926.	3.1	70
6	Scapula development is governed by genetic interactions of <i>Pbx1</i> with its family members and with <i>Emx2</i> via their cooperative control of <i>Alx1</i> . <i>Development (Cambridge)</i> , 2010, 137, 2559-2569.	1.2	65
7	Evolutionary Selection and Constraint on Human Knee Chondrocyte Regulation Impacts Osteoarthritis Risk. <i>Cell</i> , 2020, 181, 362-381.e28.	13.5	64
8	Fossil hominin shoulders support an African ape-like last common ancestor of humans and chimpanzees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11829-11834.	3.3	59
9	Heads, Shoulders, Elbows, Knees, and Toes: Modular Gdf5 Enhancers Control Different Joints in the Vertebrate Skeleton. <i>PLoS Genetics</i> , 2016, 12, e1006454.	1.5	59
10	Spatio-temporal expression of Pbx3 during mouse organogenesis. <i>Gene Expression Patterns</i> , 2006, 6, 747-757.	0.3	53
11	Experimental and natural evidence of SARS-CoV-2-infection-induced activation of type I interferon responses. <i>iScience</i> , 2021, 24, 102477.	1.9	49
12	Identification of Novel Loci Associated With Hip Shape: A Meta-Analysis of Genomewide Association Studies. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 241-251.	3.1	47
13	Disentangling Immediate Adaptive Introgression from Selection on Standing Introgressed Variation in Humans. <i>Molecular Biology and Evolution</i> , 2018, 35, 623-630.	3.5	46
14	Pbx1/Pbx2 govern axial skeletal development by controlling Polycomb and Hox in mesoderm and Pax1/Pax9 in sclerotome. <i>Developmental Biology</i> , 2008, 321, 500-514.	0.9	44
15	Regulation of Gdf5 expression in joint remodelling, repair and osteoarthritis. <i>Scientific Reports</i> , 2020, 10, 157.	1.6	44
16	Pbx homeodomain proteins: TALEnted regulators of limb patterning and outgrowth. <i>Developmental Dynamics</i> , 2011, 240, 1063-1086.	0.8	41
17	A novel enhancer near the Pitx1 gene influences development and evolution of pelvic appendages in vertebrates. <i>ELife</i> , 2018, 7, .	2.8	38
18	Bi-fated tendon-to-bone attachment cells are regulated by shared enhancers and KLF transcription factors. <i>ELife</i> , 2021, 10, .	2.8	36

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19	On the serial homology of the pectoral and pelvic girdles of tetrapods. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2543-2555.	1.1	35
20	Assessment of knee pain from MR imaging using a convolutional Siamese network. <i>European Radiology</i> , 2020, 30, 3538-3548.	2.3	35
21	Epigenetic profiling of growth plate chondrocytes sheds insight into regulatory genetic variation influencing height. <i>ELife</i> , 2017, 6, .	2.8	35
22	Conservation of notochord gene expression across chordates: Insights from the <i>Leprecan</i> gene family. <i>Genesis</i> , 2008, 46, 683-696.	0.8	33
23	Control of pelvic girdle development by genes of the Pbx family and <i>Emx2</i> . <i>Developmental Dynamics</i> , 2011, 240, 1173-1189.	0.8	32
24	A distinct transition from cell growth to physiological homeostasis in the tendon. <i>ELife</i> , 2019, 8, .	2.8	31
25	Impact of broad regulatory regions on Gdf5 expression and function in knee development and susceptibility to osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 450-450.	0.5	29
26	Dietary Variation and Evolution of Gene Copy Number among Dog Breeds. <i>PLoS ONE</i> , 2016, 11, e0148899.	1.1	28
27	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1284-1296.	3.1	27
28	DNA methylation Landscape of body size variation in sheep. <i>Scientific Reports</i> , 2015, 5, 13950.	1.6	24
29	Mendelian Randomization Analysis Reveals a Causal Influence of Circulating Sclerostin Levels on Bone Mineral Density and Fractures. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1824-1836.	3.1	24
30	Detection of Neanderthal Adaptively Introgressed Genetic Variants That Modulate Reporter Gene Expression in Human Immune Cells. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	24
31	Screening of reproduction-related single nucleotide variations from MeDIP-seq data in sheep. <i>Molecular Reproduction and Development</i> , 2016, 83, 958-967.	1.0	23
32	Cooperation between p27 and p107 during Endochondral Ossification Suggests a Genetic Pathway Controlled by p27 and p130. <i>Molecular and Cellular Biology</i> , 2007, 27, 5161-5171.	1.1	21
33	Genetics of scapula and pelvis development: An evolutionary perspective. <i>Current Topics in Developmental Biology</i> , 2019, 132, 311-349.	1.0	21
34	Biological clocks and incremental growth line formation in dentine. <i>Journal of Anatomy</i> , 2020, 237, 367-378.	0.9	21
35	A robust method for RNA extraction and purification from a single adult mouse tendon. <i>PeerJ</i> , 2018, 6, e4664.	0.9	19
36	Joint disease-specificity at the regulatory base-pair level. <i>Nature Communications</i> , 2021, 12, 4161.	5.8	18

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37	A Penile Spine/Vibrissa Enhancer Sequence Is Missing in Modern and Extinct Humans but Is Retained in Multiple Primates with Penile Spines and Sensory Vibrissae. <i>PLoS ONE</i> , 2013, 8, e84258.	1.1	16
38	Subchondral Bone Length in Knee Osteoarthritis: A Deep Learningâ€Derived Imaging Measure and Its Association With Radiographic and Clinical Outcomes. <i>Arthritis and Rheumatology</i> , 2021, 73, 2240-2248.	2.9	15
39	The role of Gdf5 regulatory regions in development of hip morphology. <i>PLoS ONE</i> , 2018, 13, e0202785.	1.1	13
40	Interspecies transcriptomics identify genes that underlie disproportionate foot growth in jerboas. <i>Current Biology</i> , 2022, 32, 289-303.e6.	1.8	13
41	Complex Phenotypes: Mechanisms Underlying Variation in Human Stature. <i>Current Osteoporosis Reports</i> , 2019, 17, 301-323.	1.5	11
42	Single Cell Omics for Musculoskeletal Research. <i>Current Osteoporosis Reports</i> , 2021, 19, 131-140.	1.5	10
43	Exerciseâ€induced loading increases ilium cortical area in a selectively bred mouse model. <i>American Journal of Physical Anthropology</i> , 2019, 168, 543-551.	2.1	8
44	Identification of IGF2BP1 â€related lncRNAâ€miRNAâ€mRNA network in goat skeletal muscle satellite cells. <i>Animal Science Journal</i> , 2021, 92, e13631.	0.6	5
45	Variation in mouse pelvic morphology maps to locations enriched in Sox9 Class II and Pitx1 regulatory features. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2020, 334, 100-112.	0.6	4
46	Development and cancer: Two sides of the same coin. <i>International Congress Series</i> , 2006, 1296, 147-159.	0.2	3
47	Reply to Melillo: Woranso-Mille is consistent with an australopithecine shoulder intermediate between African apes and Homo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7160-E7160.	3.3	2
48	Shifting epigenetic contexts influence regulatory variation and disease risk. <i>Aging</i> , 2021, 13, 15699-15749.	1.4	2
49	Reply to AlmÃ©cija: A new direction for reconstructing our last common ancestor with chimpanzees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E945-E945.	3.3	0