David M Kingsley

List of Publications by Year
in descending order

61 papers	11,868 citations	70961 41 h-index	133063 59 g-index
66 all docs	66 docs citations	66 times ranked	10911 citing authors

#	Article	IF	Citations
1	The genomic basis of adaptive evolution in threespine sticklebacks. Nature, 2012, 484, 55-61.	13.7	1,600
2	Widespread Parallel Evolution in Sticklebacks by Repeated Fixation of Ectodysplasin Alleles. Science, 2005, 307, 1928-1933.	6.0	1,299
3	Adaptive Evolution of Pelvic Reduction in Sticklebacks by Recurrent Deletion of a Pitx1 Enhancer. Science, 2010, 327, 302-305.	6.0	901
4	Limb alterations in brachypodism mice due to mutations in a new member of the TGFÎ²-superfamily. Nature, 1994, 368, 639-643.	13.7	856
5	Genetic and developmental basis of evolutionary pelvic reduction in threespine sticklebacks. Nature, 2004, 428, 717-723.	13.7	771
6	Role of the Mouse ank Gene in Control of Tissue Calcification and Arthritis. Science, 2000, 289, 265-270.	6.0	612
7	The mouse short ear skeletal morphogenesis locus is associated with defects in a bone morphogenetic member of the TGFÎ² superfamily. Cell, 1992, 71, 399-410.	13.5	497
8	The mouse Snell's waltzer deafness gene encodes an unconventional myosin required for structural integrity of inner ear hair cells. Nature Genetics, 1995, 11, 369-375.	9.4	487
9	The genetic architecture of divergence between threespine stickleback species. Nature, 2001, 414, 901-905.	13.7	479
10	The Genetic Architecture of Parallel Armor Plate Reduction in Threespine Sticklebacks. PLoS Biology, 2004, 2, e109.	2.6	332
11	What do BMPs do in mammals? Clues from the mouse short-ear mutation. Trends in Genetics, 1994, 10, 16-21.	2.9	307
12	Genetics of ecological divergence during speciation. Nature, 2014, 511, 307-311.	13.7	264
13	THE GENETICS OF ADAPTIVE SHAPE SHIFT IN STICKLEBACK: PLEIOTROPY AND EFFECT SIZE. Evolution; International Journal of Organic Evolution, 2007, 62, 071115145922005-???.	1.1	233
14	A Genome-wide SNP Genotyping Array Reveals Patterns of Global and Repeated Species-Pair Divergence in Sticklebacks. Current Biology, 2012, 22, 83-90.	1.8	212
15	Parallel genetic origins of pelvic reduction in vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13753-13758.	3.3	198
16	DNA fragility in the parallel evolution of pelvic reduction in stickleback fish. Science, 2019, 363, 81-84.	6.0	162
17	A molecular basis for classic blond hair color in Europeans. Nature Genetics, 2014, 46, 748-752.	9.4	154
18	An Unexpectedly Complex Architecture for Skin Pigmentation in Africans. Cell, 2017, 171, 1340-1353.e14.	13.5	134

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19	Evolving New Skeletal Traits by cis -Regulatory Changes in Bone Morphogenetic Proteins. Cell, 2016, 164, 45-56.	13.5	132
20	Defining a mesenchymal progenitor niche at single-cell resolution. Science, 2014, 346, 1258810.	6.0	128
21	Three Periods of Regulatory Innovation During Vertebrate Evolution. Science, 2011, 333, 1019-1024.	6.0	127
22	Modular Skeletal Evolution in Sticklebacks Is Controlled by Additive and Clustered Quantitative Trait Loci. Genetics, 2014, 197, 405-420.	1.2	122
23	Population genomics of parallel phenotypic evolution in stickleback across streamâ€“lake ecological transitions. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1277-1286.	1.2	119
24	A recurrent regulatory change underlying altered expression and Wnt response of the stickleback armor plates gene EDA. ELife, 2015, 4, e05290.	2.8	104
25	A General Approach for Identifying Distant Regulatory Elements Applied to the Gdf6 Gene. Genome Research, 2003, 13, 2069-2081.	2.4	85
26	Characterization of a Human-Specific Tandem Repeat Associated with Bipolar Disorder and Schizophrenia. American Journal of Human Genetics, 2018, 103, 421-430.	2.6	84
27	Evolved tooth gain in sticklebacks is associated with a cis -regulatory allele of Bmp6. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13912-13917.	3.3	83
28	Dual hindlimb control elements in theTbx4gene and region-specific control of bone size in vertebrate limbs. Development (Cambridge), 2008, 135, 2543-2553.	1.2	80
29	An Extensive 3â€² Regulatory Region Controls Expression of Bmp5 in Specific Anatomical Structures of the Mouse Embryo. Genetics, 1998, 148, 401-408.	1.2	80
30	Genomic dissection of conserved transcriptional regulation in intestinal epithelial cells. PLoS Biology, 2017, 15, e2002054.	2.6	80
31	Assembly of the threespine stickleback Y chromosome reveals convergent signatures of sex chromosome evolution. Genome Biology, 2020, 21, 177.	3.8	79
32	Ancient selection for derived alleles at a GDF5 enhancer influencing human growth and osteoarthritis risk. Nature Genetics, 2017, 49, 1202-1210.	9.4	77
33	GENETIC SIGNATURE OF ADAPTIVE PEAK SHIFT IN THREESPINE STICKLEBACK. Evolution; International Journal of Organic Evolution, 2012, 66, 2439-2450.	1.1	75
34	Spectrum of Bmp5 Mutations From Germline Mutagenesis Experiments in Mice. Genetics, 1997, 145, 435-443.	1.2	66
35	Experimental evidence for rapid genomic adaptation to a new niche in an adaptive radiation. Nature Ecology and Evolution, 2018, 2, 1128-1138.	3.4	63
36	Predicting future from past: The genomic basis of recurrent and rapid stickleback evolution. Science Advances, 2021, 7, .	4.7	62

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37	Extent of QTL Reuse During Repeated Phenotypic Divergence of Sympatric Threespine Stickleback. Genetics, 2015, 201, 1189-1200.	1.2	61
38	Heads, Shoulders, Elbows, Knees, and Toes: Modular Gdf5 Enhancers Control Different Joints in the Vertebrate Skeleton. PLoS Genetics, 2016, 12, e1006454.	1.5	59
39	Genetic Coupling of Female Mate Choice with Polygenic Ecological Divergence Facilitates Stickleback Speciation. Current Biology, 2017, 27, 3344-3349.e4.	1.8	56
40	Convergent evolution of SWS2 opsin facilitates adaptive radiation of threespine stickleback into different light environments. PLoS Biology, 2017, 15, e2001627.	2.6	55
41	Shaping Skeletal Growth by Modular Regulatory Elements in the Bmp5 Gene. PLoS Genetics, 2008, 4, e1000308.	1.5	54
42	Phylogeography and adaptation genetics of stickleback from the <scp>H</scp>aida <scp>G</scp>waii archipelago revealed using genomeâ€wide single nucleotide polymorphism genotyping. Molecular Ecology, 2013, 22, 1917-1932.	2.0	50
43	The Phosphate Exporter xpr1b Is Required for Differentiation of Tissue-Resident Macrophages. Cell Reports, 2014, 8, 1659-1667.	2.9	46
44	Fitness maps to a large-effect locus in introduced stickleback populations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
45	A novel enhancer near the Pitx1 gene influences development and evolution of pelvic appendages in vertebrates. ELife, 2018, 7, .	2.8	38
46	Dorsal spine evolution in threespine sticklebacks via a splicing change in MSX2A. BMC Biology, 2017, 15, 115.	1.7	34
47	A distinct regulatory region of the Bmp5 locus activates gene expression following adult bone fracture or soft tissue injury. Bone, 2015, 77, 31-41.	1.4	32
48	Reciprocal Mouse and Human Limb Phenotypes Caused by Gain- and Loss-of-Function Mutations Affecting Lmbr1. Genetics, 2001, 159, 715-726.	1.2	32
49	A Simple and Efficient Microinjection Protocol for Making Transgenic Sticklebacks. Behaviour, 2004, 141, 1345-1355.	0.4	28
50	Genetic Control of Bone and Joint Formation. Novartis Foundation Symposium, 2008, 232, 213-234.	1.2	24
51	Mouse Chromosome 9. Mammalian Genome, 1992, 3, S136-S152.	1.0	22
52	Genetic studies of humanâ€“chimpanzee divergence using stem cell fusions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
53	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. PLoS ONE, 2013, 8, e84258.	1.1	16
54	Longer or shorter spines: Reciprocal trait evolution in stickleback via triallelic regulatory changes inStanniocalcin2a. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15

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55	From Atoms to Traits. Scientific American, 2009, 300, 52-59.	1.0	9
56	Detecting differential copy number variation between groups of samples. Genome Research, 2018, 28, 256-265.	2.4	9
57	Efficient CRISPR-Cas9 editing of major evolutionary loci in sticklebacks.. Evolutionary Ecology Research, 2019, 20, 107-132.	2.0	6
58	Characterization of mouse Bmp5 regulatory injury element in zebrafish wound models. Bone, 2022, 155, 116263.	1.4	5
59	Genomic changes underlying repeated niche shifts in an adaptive radiation. Evolution; International Journal of Organic Evolution, 2022, 76, 1301-1319.	1.1	3
60	When evolution hurts: height, arthritis risk, and the regulatory architecture of GDF5 function. FASEB Journal, 2012, 26, 457.1.	0.2	0
61	Beautiful Piles of Bones: An Interview with 2017 Genetics Society of America Medal Recipient David M. Kingsley. Genetics, 2017, 207, 1221-1222.	1.2	0