

David M Kingsley

List of Publications by Citations

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59
papers

9,420
citations

38
h-index

66
g-index

66
ext. papers

10,988
ext. citations

16.8
avg, IF

5.63
L-index

#	Paper	IF	Citations
59	The genomic basis of adaptive evolution in threespine sticklebacks. <i>Nature</i> , 2012 , 484, 55-61	50.4	1187
58	Widespread parallel evolution in sticklebacks by repeated fixation of Ectodysplasin alleles. <i>Science</i> , 2005 , 307, 1928-33	33.3	1083
57	Limb alterations in brachypodism mice due to mutations in a new member of the TGF beta-superfamily. <i>Nature</i> , 1994 , 368, 639-43	50.4	773
56	Adaptive evolution of pelvic reduction in sticklebacks by recurrent deletion of a Pitx1 enhancer. <i>Science</i> , 2010 , 327, 302-5	33.3	709
55	Genetic and developmental basis of evolutionary pelvic reduction in threespine sticklebacks. <i>Nature</i> , 2004 , 428, 717-23	50.4	645
54	Role of the mouse ank gene in control of tissue calcification and arthritis. <i>Science</i> , 2000 , 289, 265-70	33.3	565
53	The mouse short ear skeletal morphogenesis locus is associated with defects in a bone morphogenetic member of the TGF beta superfamily. <i>Cell</i> , 1992 , 71, 399-410	56.2	432
52	The mouse Snell's waltzer deafness gene encodes an unconventional myosin required for structural integrity of inner ear hair cells. <i>Nature Genetics</i> , 1995 , 11, 369-75	36.3	423
51	The genetic architecture of divergence between threespine stickleback species. <i>Nature</i> , 2001 , 414, 901-5	50.4	413
50	The genetic architecture of parallel armor plate reduction in threespine sticklebacks. <i>PLoS Biology</i> , 2004 , 2, E109	9.7	281
49	What do BMPs do in mammals? Clues from the mouse short-ear mutation. <i>Trends in Genetics</i> , 1994 , 10, 16-21	8.5	280
48	The genetics of adaptive shape shift in stickleback: pleiotropy and effect size. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 76-85	3.8	203
47	Genetics of ecological divergence during speciation. <i>Nature</i> , 2014 , 511, 307-11	50.4	192
46	A genome-wide SNP genotyping array reveals patterns of global and repeated species-pair divergence in sticklebacks. <i>Current Biology</i> , 2012 , 22, 83-90	6.3	172
45	Parallel genetic origins of pelvic reduction in vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13753-8	11.5	170
44	A molecular basis for classic blond hair color in Europeans. <i>Nature Genetics</i> , 2014 , 46, 748-52	36.3	122
43	Population genomics of parallel phenotypic evolution in stickleback across stream-lake ecological transitions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 1277-86	4.4	101

42	Mesenchymal cells. Defining a mesenchymal progenitor niche at single-cell resolution. <i>Science</i> , 2014 , 346, 1258810	33.3	99
41	Evolving New Skeletal Traits by cis-Regulatory Changes in Bone Morphogenetic Proteins. <i>Cell</i> , 2016 , 164, 45-56	56.2	97
40	Three periods of regulatory innovation during vertebrate evolution. <i>Science</i> , 2011 , 333, 1019-24	33.3	92
39	DNA fragility in the parallel evolution of pelvic reduction in stickleback fish. <i>Science</i> , 2019 , 363, 81-84	33.3	90
38	Modular skeletal evolution in sticklebacks is controlled by additive and clustered quantitative trait Loci. <i>Genetics</i> , 2014 , 197, 405-20	4	86
37	An Unexpectedly Complex Architecture for Skin Pigmentation in Africans. <i>Cell</i> , 2017 , 171, 1340-1353.e14	36.2	85
36	A general approach for identifying distant regulatory elements applied to the Gdf6 gene. <i>Genome Research</i> , 2003 , 13, 2069-81	9.7	73
35	Dual hindlimb control elements in the Tbx4 gene and region-specific control of bone size in vertebrate limbs. <i>Development (Cambridge)</i> , 2008 , 135, 2543-53	6.6	71
34	A recurrent regulatory change underlying altered expression and Wnt response of the stickleback armor plates gene EDA. <i>ELife</i> , 2015 , 4, e05290	8.9	71
33	An extensive 3Uregulatory region controls expression of Bmp5 in specific anatomical structures of the mouse embryo. <i>Genetics</i> , 1998 , 148, 401-8	4	70
32	Genetic signature of adaptive peak shift in threespine stickleback. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 2439-50	3.8	59
31	Evolved tooth gain in sticklebacks is associated with a cis-regulatory allele of Bmp6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13912-7	11.5	56
30	Ancient selection for derived alleles at a GDF5 enhancer influencing human growth and osteoarthritis risk. <i>Nature Genetics</i> , 2017 , 49, 1202-1210	36.3	53
29	Characterization of a Human-Specific Tandem Repeat Associated with Bipolar Disorder and Schizophrenia. <i>American Journal of Human Genetics</i> , 2018 , 103, 421-430	11	48
28	Genomic dissection of conserved transcriptional regulation in intestinal epithelial cells. <i>PLoS Biology</i> , 2017 , 15, e2002054	9.7	47
27	Spectrum of Bmp5 mutations from germline mutagenesis experiments in mice. <i>Genetics</i> , 1997 , 145, 435-43	43	47
26	Shaping skeletal growth by modular regulatory elements in the Bmp5 gene. <i>PLoS Genetics</i> , 2008 , 4, e1000308	308	45
25	Phylogeography and adaptation genetics of stickleback from the Haida Gwaii archipelago revealed using genome-wide single nucleotide polymorphism genotyping. <i>Molecular Ecology</i> , 2013 , 22, 1917-32	5.7	44

24	Experimental evidence for rapid genomic adaptation to a new niche in an adaptive radiation. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1128-1138	12.3	43
23	Extent of QTL Reuse During Repeated Phenotypic Divergence of Sympatric Threespine Stickleback. <i>Genetics</i> , 2015 , 201, 1189-200	4	40
22	Heads, Shoulders, Elbows, Knees, and Toes: Modular Gdf5 Enhancers Control Different Joints in the Vertebrate Skeleton. <i>PLoS Genetics</i> , 2016 , 12, e1006454	6	39
21	Convergent evolution of SWS2 opsin facilitates adaptive radiation of threespine stickleback into different light environments. <i>PLoS Biology</i> , 2017 , 15, e2001627	9.7	38
20	The phosphate exporter xpr1b is required for differentiation of tissue-resident macrophages. <i>Cell Reports</i> , 2014 , 8, 1659-1667	10.6	36
19	Assembly of the threespine stickleback Y chromosome reveals convergent signatures of sex chromosome evolution. <i>Genome Biology</i> , 2020 , 21, 177	18.3	30
18	Genetic Coupling of Female Mate Choice with Polygenic Ecological Divergence Facilitates Stickleback Speciation. <i>Current Biology</i> , 2017 , 27, 3344-3349.e4	6.3	28
17	Reciprocal mouse and human limb phenotypes caused by gain- and loss-of-function mutations affecting Lmbr1. <i>Genetics</i> , 2001 , 159, 715-26	4	27
16	A distinct regulatory region of the Bmp5 locus activates gene expression following adult bone fracture or soft tissue injury. <i>Bone</i> , 2015 , 77, 31-41	4.7	20
15	A Simple and Efficient Microinjection Protocol for Making Transgenic Sticklebacks. <i>Behaviour</i> , 2004 , 141, 1345-1355	1.4	20
14	Genetic control of bone and joint formation. <i>Novartis Foundation Symposium</i> , 2001 , 232, 213-22; discussion 222-34, 272-82		19
13	A novel enhancer near the gene influences development and evolution of pelvic appendages in vertebrates. <i>ELife</i> , 2018 , 7,	8.9	18
12	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	3.7	15
11	Predicting future from past: The genomic basis of recurrent and rapid stickleback evolution. <i>Science Advances</i> , 2021 , 7,	14.3	14
10	Dorsal spine evolution in threespine sticklebacks via a splicing change in MSX2A. <i>BMC Biology</i> , 2017 , 15, 115	7.3	13
9	Fitness maps to a large-effect locus in introduced stickleback populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
8	From atoms to traits. <i>Scientific American</i> , 2009 , 300, 52-9	0.5	8
7	Mouse chromosome 9. <i>Mammalian Genome</i> , 1992 , 3 Spec No, S136-52	3.2	6

6	Detecting differential copy number variation between groups of samples. <i>Genome Research</i> , 2018 , 28, 256-265	9.7	4
5	Genetic studies of human-chimpanzee divergence using stem cell fusions.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
4	Efficient CRISPR-Cas9 editing of major evolutionary loci in sticklebacks.. <i>Evolutionary Ecology Research</i> , 2019 , 20, 107-132		1
3	Characterization of mouse Bmp5 regulatory injury element in zebrafish wound models. <i>Bone</i> , 2021 , 155, 116263	4.7	0
2	Beautiful Piles of Bones: An Interview with 2017 Genetics Society of America Medal Recipient David M. Kingsley. <i>Genetics</i> , 2017 , 207, 1221-1222	4	
1	When evolution hurts: height, arthritis risk, and the regulatory architecture of GDF5 function. <i>FASEB Journal</i> , 2012 , 26, 457.1	0.9	