Matthew P Harris

List of Publications by Year
in descending order

46 papers	2,169 citations	279778 23 h-index	254170 43 g-index
63 all docs	63 docs citations	63 times ranked	2783 citing authors

#	Article	IF	Citations
1	Through veiled mirrors: Fish fins giving insight into size regulation. Wiley Interdisciplinary Reviews: Developmental Biology, 2021, 10, e381.	5.9	12
2	Latent developmental potential to form limb-like skeletal structures in zebrafish. Cell, 2021, 184, 899-911.e13.	28.9	36
3	Atavisms in the avian hindlimb and early developmental polarity of the limb. Developmental Dynamics, 2021, 250, 1358-1367.	1.8	4
4	Synergistic roles of Wnt modulators R-spondin2 and R-spondin3 in craniofacial morphogenesis and dental development. Scientific Reports, 2021, 11, 5871.	3.3	6
5	Bioelectric signaling as a unique regulator of development and regeneration. Development (Cambridge), 2021, 148, .	2.5	63
6	Footprints in the Sand: Deep Taxonomic Comparisons in Vertebrate Genomics to Unveil the Genetic Programs of Human Longevity. Frontiers in Genetics, 2021, 12, 678073.	2.3	8
7	Refining Convergent Rate Analysis with Topology in Mammalian Longevity and Marine Transitions. Molecular Biology and Evolution, 2021, 38, 5190-5203.	8.9	4
8	The bowfin genome illuminates the developmental evolution of ray-finned fishes. Nature Genetics, 2021, 53, 1373-1384.	21.4	48
9	Modulation of bioelectric cues in the evolution of flying fishes. Current Biology, 2021, 31, 5052-5061.e8.	3.9	16
10	Zebrafish: An Emerging Model for Orthopedic Research. Journal of Orthopaedic Research, 2020, 38, 925-936.	2.3	52
11	FaceBase 3: analytical tools and FAIR resources for craniofacial and dental research. Development (Cambridge), 2020, 147, .	2.5	25
12	SCO-Spondin Defects and Neuroinflammation Are Conserved Mechanisms Driving Spinal Deformity across Genetic Models of Idiopathic Scoliosis. Current Biology, 2020, 30, 2363-2373.e6.	3.9	56
13	Notochordal Signals Establish Phylogenetic Identity of the Teleost Spine. Current Biology, 2020, 30, 2805-2814.e3.	3.9	17
14	Finding the pattern within - In remembrance, Dr. John Fallon. Developmental Biology, 2020, 463, 182-184.	2.0	0
15	Regulation of human cerebral cortical development by EXOC7 and EXOC8, components of the exocyst complex, and roles in neural progenitor cell proliferation and survival. Genetics in Medicine, 2020, 22, 1040-1050.	2.4	13
16	Unique and non-redundant function of <i>csf1r</i> paralogues in regulation and evolution of post-embryonic development of the zebrafish. Development (Cambridge), 2020, 147, .	2.5	23
17	Developmental constraint shaped genome evolution and erythrocyte loss in Antarctic fishes following paleoclimate change. PLoS Genetics, 2020, 16, e1009173.	3.5	14
18	celsr1a is essential for tissue homeostasis and onset of aging phenotypes in the zebrafish. ELife, 2020, 9, .	6.0	5

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19	Integrated analysis of bioelectric signaling in regulation of proportion.. FASEB Journal, 2020, 34, 1-1.	0.5	0
20	Integrated K+ channel and K+Cl- cotransporter functions are required for the coordination of size and proportion during development. Developmental Biology, 2019, 456, 164-178.	2.0	36
21	Historical contingency shapes adaptive radiation in Antarctic fishes. Nature Ecology and Evolution, 2019, 3, 1102-1109.	7.8	50
22	Cyclin-dependent kinase 21 is a novel regulator of proliferation and meiosis in the male germline of zebrafish. Reproduction, 2019, 157, 383-398.	2.6	13
23	Conserved but flexible modularity in the zebrafish skull: implications for craniofacial evolvability. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172671.	2.6	22
24	Bioelectric-calcineurin signaling module regulates allometric growth and size of the zebrafish fin. Scientific Reports, 2018, 8, 10391.	3.3	42
25	Zebrafish type I collagen mutants faithfully recapitulate human type I collagenopathies. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8037-E8046.	7.1	77
26	Patterning the spine. ELife, 2018, 7, .	6.0	7
27	Utility of quantitative micro-computed tomographic analysis in zebrafish to define gene function during skeletogenesis. Bone, 2017, 101, 162-171.	2.9	40
28	Genetic Screen for Postembryonic Development in the Zebrafish (<i>Danio rerio</i>): Dominant Mutations Affecting Adult Form. Genetics, 2017, 207, 609-623.	2.9	58
29	The FaceBase Consortium: A comprehensive resource for craniofacial researchers. Development (Cambridge), 2016, 143, 2677-88.	2.5	62
30	Parallelism and Epistasis in Skeletal Evolution Identified through Use of Phylogenomic Mapping Strategies. Molecular Biology and Evolution, 2016, 33, 162-173.	8.9	32
31	Out of the Mouth of Minnows. Developmental Cell, 2015, 35, 263-264.	7.0	0
32	Bioelectric Signaling Regulates Size in Zebrafish Fins. PLoS Genetics, 2014, 10, e1004080.	3.5	148
33	Katanin p80 Regulates Human Cortical Development by Limiting Centriole and Cilia Number. Neuron, 2014, 84, 1240-1257.	8.1	89
34	Identification of Mutations in Zebrafish Using Nextâ€Generation Sequencing. Current Protocols in Molecular Biology, 2013, 104, 7.13.1-7.13.33.	2.9	8
35	Perspectives for identification of mutations in the zebrafish: Making use of next-generation sequencing technologies for forward genetic approaches. Methods, 2013, 62, 185-196.	3.8	28
36	Efficient Mapping and Cloning of Mutations in Zebrafish by Low-Coverage Whole-Genome Sequencing. Genetics, 2012, 190, 1017-1024.	2.9	77

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37	Enhancing the Efficiency of<i>N</i>-Ethyl-<i>N</i>-Nitrosoureaâ€“Induced Mutagenesis in the Zebrafish. Zebrafish, 2011, 8, 119-123.	1.1	26
38	Modulation of Fgfr1a Signaling in Zebrafish Reveals a Genetic Basis for the Aggressionâ€“Boldness Syndrome. Journal of Neuroscience, 2011, 31, 13796-13807.	3.6	130
39	Duplication of fgfr1 Permits Fgf Signaling to Serve as a Target for Selection during Domestication. Current Biology, 2009, 19, 1642-1647.	3.9	110
40	Zebrafish eda and edar Mutants Reveal Conserved and Ancestral Roles of Ectodysplasin Signaling in Vertebrates. PLoS Genetics, 2008, 4, e1000206.	3.5	186
41	The Development of Archosaurian First-Generation Teeth in a Chicken Mutant. Current Biology, 2006, 16, 371-377.	3.9	122
42	Molecular evidence for an activator-inhibitor mechanism in development of embryonic feather branching. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11734-11739.	7.1	144
43	Shh-Bmp2 signaling module and the evolutionary origin and diversification of feathers. The Journal of Experimental Zoology, 2002, 294, 160-176.	1.4	132
44	Development of an evolutionarily novel structure: Fibroblast growth factor expression in the carapacial ridge of turtle embryos. The Journal of Experimental Zoology, 2001, 291, 274-281.	1.4	62
45	Constitutive Activation of Sonic Hedgehog Signaling in the Chicken Mutant talpid2: Shh-Independent Outgrowth and Polarizing Activity. Developmental Biology, 1999, 212, 137-149.	2.0	51
46	Latent Developmental Potential to Form Limb-Like Skeletal Structures in Zebrafish. SSRN Electronic Journal, 0, , .	0.4	0