Mikiko Tanaka

List of Publications by Year
in descending order

47	1,462	304743	330143
papers	citations	22 h-index	37 g-index

51	51	51	1926
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Possible involvement of SINEs in mammalian-specific brain formation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4220-4225.	7.1	177
2	Fin development in a cartilaginous fish and the origin of vertebrate limbs. Nature, 2002, 416, 527-531.	27.8	113
3	The chicken talpid³ gene encodesa novel protein essentialfor Hedgehog signaling. Genes and Development, 2006, 20, 1365-1377.	5.9	112
4	The fin-to-limb transition as the re-organization of a Turing pattern. Nature Communications, 2016, 7, 11582.	12.8	80
5	Developmental genetic basis for the evolution of pelvic fin loss in the pufferfish Takifugu rubripes. Developmental Biology, 2005, 281, 227-239.	2.0	69
6	Mechanism of development of ionocytes rich in vacuolar-type H+-ATPase in the skin of zebrafish larvae. Developmental Biology, 2009, 329, 116-129.	2.0	69
7	Expression of limb initiation genes and clues to the morphological diversification of threespine stickleback. Current Biology, 2003, 13, R951-R952.	3.9	62
8	Development and evolution of the lateral plate mesoderm: Comparative analysis of amphioxus and lamprey with implications for the acquisition of paired fins. Developmental Biology, 2011, 359, 124-136.	2.0	57
9	Heterochronic Shift in Hox-Mediated Activation of Sonic hedgehog Leads to Morphological Changes during Fin Development. PLoS ONE, 2009, 4, e5121.	2.5	53
10	Tbx18 and boundary formation in chick somite and wing development. Developmental Biology, 2004, 268, 470-480.	2.0	49
11	A shift in anteriorâ€“posterior positional information underlies the fin-to-limb evolution. ELife, 2015, 4, .	6.0	46
12	Citral, an Inhibitor of Retinoic Acid Synthesis, Modifies Chick Limb Development. Developmental Biology, 1996, 175, 239-247.	2.0	39
13	Mechanisms of heart development in the Japanese lamprey, Lethenteron japonicum. Evolution & Development, 2010, 12, 34-44.	2.0	38
14	Identification of four Engrailed genes in the Japanese lamprey, Lethenteron japonicum. Developmental Dynamics, 2008, 237, 1581-1589.	1.8	33
15	Allometric growth of the trunk leads to the rostral shift of the pelvic fin in teleost fishes. Developmental Biology, 2010, 347, 236-245.	2.0	33
16	Molecular and evolutionary basis of limb field specification and limb initiation. Development Growth and Differentiation, 2013, 55, 149-163.	1.5	33
17	Fins into limbs: Autopod acquisition and anterior elements reduction by modifying gene networks involving 5â€™Hox , Gli3 , and Shh. Developmental Biology, 2016, 413, 1-7.	2.0	33
18	Photoporation of Biomolecules into Single Cells in Living Vertebrate Embryos Induced by a Femtosecond Laser Amplifier. PLoS ONE, 2011, 6, e27677.	2.5	31

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19	Induction of Additional Limb at the Dorsalâ€“Ventral Boundary of a Chick Embryo. Developmental Biology, 1997, 182, 191-203.	2.0	29
20	Dimeric combinations of MafB, cFos and cJun control the apoptosis-survival balance in limb morphogenesis. Development (Cambridge), 2014, 141, 2885-2894.	2.5	27
21	Blue Light-Mediated Manipulation of Transcription Factor Activity In Vivo. ACS Chemical Biology, 2013, 8, 2649-2653.	3.4	26
22	Evolution of motor innervation to vertebrate fins and limbs. Developmental Biology, 2011, 355, 164-172.	2.0	24
23	Migratory appendicular muscles precursor cells in the common ancestor to all vertebrates. Nature Ecology and Evolution, 2017, 1, 1731-1736.	7.8	21
24	Identification and developmental expression of two Tbx1/10-related genes in the agnathan Lethenteron japonicum. Development Genes and Evolution, 2007, 217, 691-697.	0.9	19
25	Early Palaeozoic dentine and patterned scales in the embryonic catshark tail. Biology Letters, 2008, 4, 87-90.	2.3	19
26	Apical ectodermal ridge induction by the transplantation of En-1-overexpressing ectoderm in chick limb bud. Development Growth and Differentiation, 1998, 40, 423-429.	1.5	17
27	Acquisition of the paired fins: a view from the sequential evolution of the lateral plate mesoderm. Evolution & Development, 2012, 14, 412-420.	2.0	16
28	Developmental Mechanism of Limb Field Specification along the Anteriorâ€“Posterior Axis during Vertebrate Evolution. Journal of Developmental Biology, 2016, 4, 18.	1.7	16
29	Phenotypic plasticity in the mandibular morphology of Japanese macaques: captiveâ€“wild comparison. Royal Society Open Science, 2019, 6, 181382.	2.4	16
30	Revealing the mechanisms of the rostral shift of pelvic fins among teleost fishes. Evolution & Development, 2011, 13, 382-390.	2.0	13
31	Environmental Oxygen Exposure Allows for the Evolution of Interdigital Cell Death in Limb Patterning. Developmental Cell, 2019, 50, 155-166.e4.	7.0	13
32	Modification of pectoral fins occurs during the larva-to-juvenile transition in the mudskipper (Periophthalmus modestus). Zoological Letters, 2018, 4, 23.	1.3	9
33	Evolution of the avian digital pattern. Scientific Reports, 2019, 9, 8560.	3.3	8
34	Environmental Oxygen is a Key Modulator of Development and Evolution: From Molecules to Ecology. BioEssays, 2020, 42, 2000025.	2.5	8
35	Development of the lateral plate mesoderm in medaka <scp>O</scp>ryzias latipes and Nile tilapia <scp>O</scp>reochromis niloticus: insight into the diversification of pelvic fin position. Journal of Anatomy, 2014, 225, 659-674.	1.5	7
36	Involvement of HGF/MET signaling in appendicular muscle development in cartilaginous fish. Development Growth and Differentiation, 2019, 61, 97-103.	1.5	7

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37	Regulation of the limb shape during the development of the Chinese softshell turtles. Evolution & Development, 2020, 22, 451-462.	2.0	7
38	Anterior migration of lateral plate mesodermal cells during embryogenesis of the pufferfish <scp>T</scp>akifugu niphobles: insight into the rostral positioning of pelvic fins. Journal of Anatomy, 2015, 227, 81-88.	1.5	6
39	Cux2 refines the forelimb field by controlling expression ofRaldh2andHoxgenes. Biology Open, 2019, 8, .	1.2	6
40	Fibroblast growth factor-induced gene expression and cartilage pattern formation in chick limb bud recombinants. Development Growth and Differentiation, 2001, 43, 165-175.	1.5	5
41	PICCORO. Methods in Cell Biology, 2016, 135, 289-295.	1.1	4
42	Expression patterns of Sema3A in developing amniote limbs: With reference to the diversification of peripheral nerve innervation. Development Growth and Differentiation, 2017, 59, 270-285.	1.5	4
43	Alterations in anteriorâ€“posterior patterning and its accompanying changes along the proximalâ€distal axis during the finâ€toâ€limb transition. Genesis, 2018, 56, e23053.	1.6	4
44	Establishment of the Vertebrate Body Plan in Relation to Limb Formation. Zoological Science, 2005, 22, 1371-1371.	0.7	1
45	Transgene Introduction into the Chick Limb Bud by Electroporation. Methods in Molecular Biology, 2017, 1650, 203-208.	0.9	1
46	Ecology, Evolution and Development. Development Growth and Differentiation, 2019, 61, 3-4.	1.5	0
47	Localization of Î²-Catenin and Islet in the Pelvic Fin Field in Zebrafish. Zoological Science, 2019, 36, 365.	0.7	0