Koichi Kawakami, å·ä¸æµ©ä¸€

List of Publications by Year
in descending order

161 papers	12,804 citations	28274 55 h-index	29157 104 g-index
169 all docs	169 docs citations	169 times ranked	12429 citing authors

#	Article	IF	Citations
1	A novel gene trap line for visualization and manipulation of erbb3b+ neural crest and glial cells in zebrafish. Developmental Biology, 2022, 482, 114-123.	2.0	7
2	Developmental independence of median fins from the larval fin fold revises their evolutionary origin. Scientific Reports, 2022, 12, 7521.	3.3	1
3	KCNJ8/ABCC9-containing K-ATP channel modulates brain vascular smooth muscle development and neurovascular coupling. Developmental Cell, 2022, 57, 1383-1399.e7.	7.0	16
4	Integrated Behavioral, Genetic and Brain Circuit Visualization Methods to Unravel Functional Anatomy of Zebrafish Amygdala. Frontiers in Neuroanatomy, 2022, 16, .	1.7	4
5	Retinoic acid signaling regulates late stages of semicircular canal morphogenesis and otolith maintenance in the zebrafish inner ear. Developmental Dynamics, 2022, 251, 1798-1815.	1.8	2
6	Remodeling of the hyomandibular skeleton and facial nerve positioning during embryonic and postembryonic development of teleost fish. Developmental Biology, 2022, 489, 134-145.	2.0	1
7	Pyramidal Neurons of the Zebrafish Tectum Receive Highly Convergent Input From Torus Longitudinalis. Frontiers in Neuroanatomy, 2021, 15, 636683.	1.7	14
8	Neural circuitry for stimulus selection in the zebrafish visual system. Neuron, 2021, 109, 805-822.e6.	8.1	40
9	Illuminating ALS Motor Neurons With Optogenetics in Zebrafish. Frontiers in Cell and Developmental Biology, 2021, 9, 640414.	3.7	5
10	Involvement of Cerebellar Neural Circuits in Active Avoidance Conditioning in Zebrafish. ENeuro, 2021, 8, ENEURO.0507-20.2021.	1.9	8
11	Enteric nervous system can regenerate in zebrafish larva via migration into the ablated area and proliferation of neural crest-derived cells. Development (Cambridge), 2021, 148, .	2.5	4
12	Development of the anterior lateral line system through local tissueâ€tissue interactions in the zebrafish head. Developmental Dynamics, 2020, 249, 1440-1454.	1.8	7
13	Neuronal Circuits That Control Rhythmic Pectoral Fin Movements in Zebrafish. Journal of Neuroscience, 2020, 40, 6678-6690.	3.6	18
14	Proteasome subunit PSMC3 variants cause neurosensory syndrome combining deafness and cataract due to proteotoxic stress. EMBO Molecular Medicine, 2020, 12, e11861.	6.9	43
15	Gsx2 is required for specification of neurons in the inferior olivary nuclei from Ptf1a-expressing neural progenitors in zebrafish. Development (Cambridge), 2020, 147, .	2.5	9
16	Transient and lineage-restricted requirement of Ebf3 for sternum ossification. Development (Cambridge), 2020, 147, .	2.5	6
17	The Genetic Basis of Morphological Diversity in Domesticated Goldfish. Current Biology, 2020, 30, 2260-2274.e6.	3.9	52
18	Gastrointestinal Neurons Expressing HCN4 Regulate Retrograde Peristalsis. Cell Reports, 2020, 30, 2879-2888.e3.	6.4	14

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19	A virtual reality system to analyze neural activity and behavior in adult zebrafish. Nature Methods, 2020, 17, 343-351.	19.0	53
20	Optogenetic modulation of TDP-43 oligomerization accelerates ALS-related pathologies in the spinal motor neurons. Nature Communications, 2020, 11, 1004.	12.8	59
21	Zebrafish can regenerate endoskeleton in larval pectoral fin but the regenerative ability declines. Developmental Biology, 2020, 463, 110-123.	2.0	11
22	Shootins mediate collective cell migration and organogenesis of the zebrafish posterior lateral line system. Scientific Reports, 2019, 9, 12156.	3.3	6
23	Neural signatures of sleep in zebrafish. Nature, 2019, 571, 198-204.	27.8	114
24	Pattern of fin rays along the antero-posterior axis based on their connection to distal radials. Zoological Letters, 2019, 5, 30.	1.3	7
25	Mutant KCNJ3 and KCNJ5 Potassium Channels as Novel Molecular Targets in Bradyarrhythmias and Atrial Fibrillation. Circulation, 2019, 139, 2157-2169.	1.6	51
26	Reactivation of Notch signaling is required for cardiac valve regeneration. Scientific Reports, 2019, 9, 16059.	3.3	17
27	Identification of a neuronal population in the telencephalon essential for fear conditioning in zebrafish. BMC Biology, 2018, 16, 45.	3.8	111
28	Epidermal regulation of bone morphogenesis through the development and regeneration of osteoblasts in the zebrafish scale. Developmental Biology, 2018, 437, 105-119.	2.0	59
29	A novel zebrafish intestinal tumor model reveals a role for cyp7a1-dependent tumor-liver crosstalk in tumor's adverse effects on host. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	29
30	A tRNA-based multiplex sgRNA expression system in zebrafish and its application to generation of transgenic albino fish. Scientific Reports, 2018, 8, 13366.	3.3	26
31	A new mode of pancreatic islet innervation revealed by live imaging in zebrafish. ELife, 2018, 7, .	6.0	20
32	Protocadherin-Mediated Cell Repulsion Controls the Central Topography and Efferent Projections of the Abducens Nucleus. Cell Reports, 2018, 24, 1562-1572.	6.4	23
33	Ablation of a Neuronal Population Using a Two-photon Laser and Its Assessment Using Calcium Imaging and Behavioral Recording in Zebrafish Larvae. Journal of Visualized Experiments, 2018, , .	0.3	6
34	Proteolysis regulates cardiomyocyte maturation and tissue integration. Nature Communications, 2017, 8, 14495.	12.8	27
35	Left Habenula Mediates Light-Preference Behavior in Zebrafish via an Asymmetrical Visual Pathway. Neuron, 2017, 93, 914-928.e4.	8.1	96
36	Activation of the hypothalamic feeding centre upon visual prey detection. Nature Communications, 2017, 8, 15029.	12.8	98

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37	Granule cells control recovery from classical conditioned fear responses in the zebrafish cerebellum. Scientific Reports, 2017, 7, 11865.	3.3	30
38	Transposons As Tools for Functional Genomics in Vertebrate Models. Trends in Genetics, 2017, 33, 784-801.	6.7	64
39	Analysis of transcription factors expressed at the anterior mouse limb bud. PLoS ONE, 2017, 12, e0175673.	2.5	13
40	A Novel Zebrafish ret Heterozygous Model of Hirschsprung Disease Identifies a Functional Role for mapk10 as a Modifier of Enteric Nervous System Phenotype Severity. PLoS Genetics, 2016, 12, e1006439.	3.5	40
41	Zebrafish lines expressing UASâ€driven red probes for monitoring cytoskeletal dynamics. Genesis, 2016, 54, 483-489.	1.6	4
42	Visualization of Neuregulin 1 ectodomain shedding reveals its local processing in vitro and in vivo. Scientific Reports, 2016, 6, 28873.	3.3	12
43	Cellular dynamics of regeneration reveals role of two distinct Pax7 stem cell populations in larval zebrafish muscle repair. DMM Disease Models and Mechanisms, 2016, 9, 671-84.	2.4	45
44	Calcium Imaging of Neuronal Activity in Free-Swimming Larval Zebrafish. Methods in Molecular Biology, 2016, 1451, 333-341.	0.9	14
45	Fluorescence-Activated Cell Sorting and Gene Expression Profiling of GFP-Positive Cells from Transgenic Zebrafish Lines. Methods in Molecular Biology, 2016, 1451, 93-106.	0.9	1
46	Optimization of a Neurotoxin to Investigate the Contribution of Excitatory Interneurons to Speed Modulation InÂVivo. Current Biology, 2016, 26, 2319-2328.	3.9	62
47	CSF-contacting neurons regulate locomotion by relaying mechanical stimuli to spinal circuits. Nature Communications, 2016, 7, 10866.	12.8	162
48	Chromatin-prebound Crm1 recruits Nup98-HoxA9 fusion to induce aberrant expression of Hox cluster genes. ELife, 2016, 5, e09540.	6.0	45
49	Stable and bicistronic expression of two genes in somite- and lateral plate-derived tissues to study chick limb development. BMC Developmental Biology, 2015, 15, 39.	2.1	11
50	Diversification of non-visual photopigment parapinopsin in spectral sensitivity for diverse pineal functions. BMC Biology, 2015, 13, 73.	3.8	38
51	Endothelial Ca2+ oscillations reflect VEGFR signaling-regulated angiogenic capacity in vivo. ELife, 2015, 4, .	6.0	79
52	High-resolution live imaging reveals axon-glia interactions during peripheral nerve injury and repair in zebrafish. DMM Disease Models and Mechanisms, 2015, 8, 553-564.	2.4	41
53	Deubiquitinating enzymes regulate Hes1 stability and neuronal differentiation. FEBS Journal, 2015, 282, 2411-2423.	4.7	47
54	Establishment of Gal4 transgenic zebrafish lines for analysis of development of cerebellar neural circuitry. Developmental Biology, 2015, 397, 1-17.	2.0	66

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55	The Development and Growth of Tissues Derived from Cranial Neural Crest and Primitive Mesoderm Is Dependent on the Ligation Status of Retinoic Acid Receptor Î³: Evidence That Retinoic Acid Receptor Î³ Functions to Maintain Stem/Progenitor Cells in the Absence of Retinoic Acid. Stem Cells and Development, 2015, 24, 507-519.	2.1	13
56	Deletion of a kinesin I motor unmasks a mechanism of homeostatic branching control by neurotrophin-3. ELife, 2015, 4, .	6.0	30
57	Different combinations of Notch ligands and receptors regulate V2 interneuron progenitor proliferation and V2a/V2b cell fate determination. Developmental Biology, 2014, 391, 196-206.	2.0	37
58	Involvement of Androgen Receptor in Sex Determination in an Amphibian Species. PLoS ONE, 2014, 9, e93655.	2.5	27
59	Wnt/Dkk Negative Feedback Regulates Sensory Organ Size in Zebrafish. Current Biology, 2013, 23, 1559-1565.	3.9	70
60	The PCP protein Vangl2 regulates migration of hindbrain motor neurons by acting in floor plate cells, and independently of cilia function. Developmental Biology, 2013, 382, 400-412.	2.0	25
61	Real-Time Visualization of Neuronal Activity during Perception. Current Biology, 2013, 23, 307-311.	3.9	240
62	Targeted expression of a chimeric channelrhodopsin in zebrafish under regulation of Gal4-UAS system. Neuroscience Research, 2013, 75, 69-75.	1.9	27
63	Interhemispheric asymmetry of olfactory input-dependent neuronal specification in the adult brain. Nature Neuroscience, 2013, 16, 884-888.	14.8	13
64	Gbx2 functions as a transcriptional repressor to regulate the specification and morphogenesis of the midâ€“hindbrain junction in a dosage- and stage-dependent manner. Mechanisms of Development, 2013, 130, 532-552.	1.7	19
65	Haemodynamically dependent valvulogenesis of zebrafish heart is mediated by flow-dependent expression of miR-21. Nature Communications, 2013, 4, 1978.	12.8	76
66	The parallel growth of motoneuron axons with the dorsal aorta depends on Vegfc/Vegfr3 signaling in zebrafish. Development (Cambridge), 2013, 140, 4081-4090.	2.5	30
67	Glycinergic transmission and postsynaptic activation of Ca<scp>MKII</scp> are required for glycine receptor clustering in vivo. Genes To Cells, 2013, 18, 211-224.	1.2	28
68	Innervation is required for sense organ development in the lateral line system of adult zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5659-5664.	7.1	39
69	Differential Role for Transcription Factor Oct4 Nucleocytoplasmic Dynamics in Somatic Cell Reprogramming and Self-renewal of Embryonic Stem Cells. Journal of Biological Chemistry, 2013, 288, 15085-15097.	3.4	35
70	Transgenic tools to characterize neuronal properties of discrete populations of zebrafish neurons. Development (Cambridge), 2013, 140, 3927-3931.	2.5	194
71	Prey capture in zebrafish larvae serves as a model to study cognitive functions. Frontiers in Neural Circuits, 2013, 7, 110.	2.8	58
72	Cellular dissection of the spinal cord motor column by BAC transgenesis and gene trapping in zebrafish. Frontiers in Neural Circuits, 2013, 7, 100.	2.8	32

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73	Development of Cerebellar Neurons and Glias Revealed by in Utero Electroporation: Golgi-Like Labeling of Cerebellar Neurons and Glias. PLoS ONE, 2013, 8, e70091.	2.5	36
74	Mixture of differentially tagged Tol2 transposons accelerates conditional disruption of a broad spectrum of genes in mouse embryonic stem cells. Nucleic Acids Research, 2012, 40, e97-e97.	14.5	10
75	Neuronal Birth Order Identifies a Dimorphic Sensorineural Map. Journal of Neuroscience, 2012, 32, 2976-2987.	3.6	63
76	Efficient genetic modification and germ-line transmission of primordial germ cells using piggyBac and Tol2 transposons. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1466-72.	7.1	150
77	Visualization and exploration of Tcf/Lef function using a highly responsive Wnt/Î²-catenin signaling-reporter transgenic zebrafish. Developmental Biology, 2012, 370, 71-85.	2.0	124
78	A zebrafish model of intrahepatic cholangiocarcinoma by dual expression of hepatitis B virus X and hepatitis C virus core protein in liver. Hepatology, 2012, 56, 2268-2276.	7.3	57
79	Mechanism of pectoral fin outgrowth in zebrafish development. Development (Cambridge), 2012, 139, 2916-2925.	2.5	59
80	Connexin 39.9 Protein Is Necessary for Coordinated Activation of Slow-twitch Muscle and Normal Behavior in Zebrafish. Journal of Biological Chemistry, 2012, 287, 1080-1089.	3.4	11
81	The ciliary protein Nek8/Nphp9 acts downstream of Inv/Nphp2 during pronephros morphogenesis and leftâ€“right establishment in zebrafish. FEBS Letters, 2012, 586, 2273-2279.	2.8	19
82	Tol2-Mediated Gene Transfer and In Ovo Electroporation of the Otic Placode: A Powerful and Versatile Approach for Investigating Embryonic Development and Regeneration of the Chicken Inner Ear. Methods in Molecular Biology, 2012, 916, 127-139.	0.9	15
83	Transgenic line with gal4 insertion useful to study morphogenesis of craniofacial perichondrium, vascular endotheliumâ€associated cells, floor plate, and dorsal midline radial glia during zebrafish development. Development Growth and Differentiation, 2012, 54, 202-215.	1.5	6
84	An mnr2b/hlxb9lb enhancer trap line that labels spinal and abducens motor neurons in zebrafish. Developmental Dynamics, 2012, 241, 327-332.	1.8	12
85	Tol2-mediated Transgenesis, Gene Trapping, Enhancer Trapping, and the Gal4-UAS System. Methods in Cell Biology, 2011, 104, 23-49.	1.1	42
86	Nitro-fatty acids and cyclopentenone prostaglandins share strategies to activate the Keap1-Nrf2 system: a study using green fluorescent protein transgenic zebrafish. Genes To Cells, 2011, 16, 46-57.	1.2	70
87	Transposon-mediated BAC transgenesis in zebrafish. Nature Protocols, 2011, 6, 1998-2021.	12.0	206
88	Zebrafish eggs used as bioreactors for the production of bioactive tilapia insulin-like growth factors. Transgenic Research, 2011, 20, 73-83.	2.4	12
89	Generating libraries of iTol2-end insertions at BAC ends using loxP and lox511 Tn10 transposons. BMC Genomics, 2011, 12, 351.	2.8	9
90	Formation of the spinal network in zebrafish determined by domainâ€specific pax genes. Journal of Comparative Neurology, 2011, 519, 1562-1579.	1.6	21

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91	Migration of neuronal precursors from the telencephalic ventricular zone into the olfactory bulb in adult zebrafish. Journal of Comparative Neurology, 2011, 519, 3549-3565.	1.6	59
92	Stable, conditional, and muscleâ€fiberâ€specific expression of electroporated transgenes in chick limb muscle cells. Developmental Dynamics, 2011, 240, 1223-1232.	1.8	14
93	Imaging functional neural circuits in zebrafish with a new GCaMP and the Gal4FF-UAS system. Communicative and Integrative Biology, 2011, 4, 566-568.	1.4	29
94	Genetic visualization with an improved GCaMP calcium indicator reveals spatiotemporal activation of the spinal motor neurons in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5425-5430.	7.1	181
95	Imaging functional neural circuits in zebrafish with a new GCaMP and the Gal4FF-UAS system. Communicative and Integrative Biology, 2011, 4, 566-8.	1.4	24
96	Nitroreductase-mediated Gonadal Dysgenesis for Infertility Control of Genetically Modified Zebrafish. Marine Biotechnology, 2010, 12, 569-578.	2.4	26
97	Progressive neurogenesis defines lateralis somatotopy. Developmental Dynamics, 2010, 239, 1919-1930.	1.8	26
98	A transgenic zebrafish for monitoring in vivo microtubule structures. Developmental Dynamics, 2010, 239, 2695-2699.	1.8	27
99	zTrap: zebrafish gene trap and enhancer trap database. BMC Developmental Biology, 2010, 10, 105.	2.1	147
100	Simultaneous expression of different transgenes in neurons and glia by combining in utero electroporation with the Tol2 transposonâ€mediated gene transfer system. Genes To Cells, 2010, 15, 501-512.	1.2	37
101	The habenula is crucial for experience-dependent modification of fear responses in zebrafish. Nature Neuroscience, 2010, 13, 1354-1356.	14.8	348
102	Efficient transient rescue of hematopoietic mutant phenotypes in zebrafish usingTol2â€mediated transgenesis. Development Growth and Differentiation, 2010, 52, 245-250.	1.5	9
103	Photoactivation of the CreER^{T2} Recombinase for Conditional Site-Specific Recombination with High Spatiotemporal Resolution. Zebrafish, 2010, 7, 199-204.	1.1	61
104	Mib-Jag1-Notch signalling regulates patterning and structural roles of the notochord by controlling cell-fate decisions. Development (Cambridge), 2010, 137, 2527-2537.	2.5	80
105	Interaction with surrounding normal epithelial cells influences signalling pathways and behaviour of Src-transformed cells. Journal of Cell Science, 2010, 123, 171-180.	2.0	175
106	Arteries provide essential guidance cues for lymphatic endothelial cells in the zebrafish trunk. Development (Cambridge), 2010, 137, 2653-2657.	2.5	176
107	Development of the circadian oscillator during differentiation of mouse embryonic stem cells in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3846-3851.	7.1	189
108	The ubiquitin proteasome system is required for cell proliferation of the lens epithelium and for differentiation of lens fiber cells in zebrafish. Development (Cambridge), 2010, 137, 3257-3268.	2.5	44

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109	Identification and characterization of alternative promoters of zebrafish Rtn-4/Nogo genes in cultured cells and zebrafish embryos. Nucleic Acids Research, 2010, 38, 4635-4650.	14.5	7
110	Comparative Analysis of Transposable Element Vector Systems in Human Cells. Molecular Therapy, 2010, 18, 1200-1209.	8.2	205
111	A simple and highly efficient transgenesis method in mice with the Tol2 transposon system and cytoplasmic microinjection. Genomics, 2010, 95, 306-311.	2.9	69
112	Illuminating cell-cycle progression in the developing zebrafish embryo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20812-20817.	7.1	205
113	Olfactory neural circuitry for attraction to amino acids revealed by transposon-mediated gene trap approach in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9884-9889.	7.1	128
114	Transposon-mediated BAC transgenesis in zebrafish and mice. BMC Genomics, 2009, 10, 477.	2.8	139
115	Recapitulation of zebrafish sncga expression pattern and labeling the habenular complex in transgenic zebrafish using green fluorescent protein reporter gene. Developmental Dynamics, 2009, 238, 746-754.	1.8	28
116	Benomyl induction of brain aromatase and toxic effects in the zebrafish embryo. Journal of Applied Toxicology, 2009, 29, 289-294.	2.8	22
117	A combination of transposable elements and magnetic cell sorting provides a very efficient transgenesis system for chicken primary erythroid progenitors. BMC Biotechnology, 2009, 9, 81.	3.3	7
118	A novel conserved evx1 enhancer links spinal interneuron morphology and cis-regulation from fish to mammals. Developmental Biology, 2009, 325, 422-433.	2.0	29
119	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
120	The Tol2-mediated Gal4-UAS method for gene and enhancer trapping in zebrafish. Methods, 2009, 49, 275-281.	3.8	85
121	Transcriptional regulation of a myeloid-lineage specific gene lysozyme C during zebrafish myelopoiesis. Mechanisms of Development, 2009, 126, 314-323.	1.7	45
122	Transgenesis in Zebrafish with the Tol2 Transposon System. Methods in Molecular Biology, 2009, 561, 41-63.	0.9	197
123	Transient and Stable Transgenesis Using Tol2 Transposon Vectors. Methods in Molecular Biology, 2009, 546, 69-84.	0.9	55
124	Analysis of Genes and Genome by the Tol2-Mediated Gene and Enhancer Trap Methods. Methods in Molecular Biology, 2009, 546, 85-102.	0.9	16
125	Developmental toxicity and brain aromatase induction by high genistein concentrations in zebrafish embryos. Toxicology Mechanisms and Methods, 2009, 19, 251-256.	2.7	38
126	Estrogen-responsive transient expression assay using a brain aromatase-based reporter gene in zebrafish (Danio rerio). Comparative Medicine, 2009, 59, 416-23.	1.0	7

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127	G2R Cre reporter transgenic zebrafish. Developmental Dynamics, 2008, 237, 2460-2465.	1.8	26
128	Targeted gene expression by the Gal4â€UAS system in zebrafish. Development Growth and Differentiation, 2008, 50, 391-399.	1.5	155
129	Chapter 14 Transposonâ€Mediated Stable Integration and Tetracyclineâ€Inducible Expression of Electroporated Transgenes in Chicken Embryos. Methods in Cell Biology, 2008, 87, 271-280.	1.1	23
130	misty somites, a maternal effect gene identified by transposon-mediated insertional mutagenesis in zebrafish that is essential for the somite boundary maintenance. Developmental Biology, 2008, 316, 383-396.	2.0	22
131	Transposition of the vertebrate Tol2 transposable element in Drosophila melanogaster. Gene, 2008, 425, 64-68.	2.2	14
132	Genetic dissection of neural circuits by Tol2 transposon-mediated Gal4 gene and enhancer trapping in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1255-1260.	7.1	505
133	Efficient transposition of the Tol2 transposable element from a single-copy donor in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19827-19832.	7.1	56
134	Insertional mutagenesis by theTol2transposon-mediated enhancer trap approach generated mutations in two developmental genes:tcf7andsynembryn-like. Development (Cambridge), 2008, 135, 159-169.	2.5	142
135	Patterning the zebrafish diencephalon by the conserved zinc-finger protein Fezl. Development (Cambridge), 2007, 134, 127-136.	2.5	73
136	Stable integration and conditional expression of electroporated transgenes in chicken embryos. Developmental Biology, 2007, 305, 616-624.	2.0	237
137	Nodal signals mediate interactions between the extra-embryonic and embryonic tissues in zebrafish. Developmental Biology, 2007, 310, 363-378.	2.0	52
138	Tol2: a versatile gene transfer vector in vertebrates. Genome Biology, 2007, 8, S7.	9.6	442
139	Localization of ammonia transporter Rhcg1 in mitochondrion-rich cells of yolk sac, gill, and kidney of zebrafish and its ionic strength-dependent expression. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1743-R1753.	1.8	86
140	Spatiotemporal localization of germ plasm RNAs during zebrafish oogenesis. Mechanisms of Development, 2007, 124, 279-289.	1.7	133
141	Targeting neural circuitry in zebrafish using GAL4 enhancer trapping. Nature Methods, 2007, 4, 323-326.	19.0	375
142	A cardiac myosin light chain kinase regulates sarcomere assembly in the vertebrate heart. Journal of Clinical Investigation, 2007, 117, 2812-2824.	8.2	140
143	Evaluating the biological relevance of putative enhancers using Tol2 transposon-mediated transgenesis in zebrafish. Nature Protocols, 2006, 1, 1297-1305.	12.0	235
144	Migration of Zebrafish Primordial Germ Cells: A Role for Myosin Contraction and Cytoplasmic Flow. Developmental Cell, 2006, 11, 613-627.	7.0	331

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145	Transposon-mediated gene trapping in zebrafish. Methods, 2006, 39, 199-206.	3.8	65
146	The Fugu tyrp1 promoter directs specific GFP expression in zebrafish: tools to study the RPE and the neural crest-derived melanophores. Pigment Cell & Melanoma Research, 2006, 19, 615-627.	3.6	36
147	Tol2 transposon-mediated transgenesis inXenopus tropicalis. Genesis, 2006, 44, 438-445.	1.6	92
148	Cadherin is required for dendritic morphogenesis and synaptic terminal organization of retinal horizontal cells. Development (Cambridge), 2006, 133, 4085-4096.	2.5	63
149	Functional Dissection of the Tol2 Transposable Element Identified the Minimal cis-Sequence and a Highly Repetitive Sequence in the Subterminal Region Essential for Transposition. Genetics, 2006, 174, 639-649.	2.9	487
150	Transposon tools and methods in zebrafish. Developmental Dynamics, 2005, 234, 244-254.	1.8	268
151	The Zebrafish pob Gene Encodes a Novel Protein Required for Survival of Red Cone Photoreceptor CellsSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession no. AY745978.. Genetics, 2005, 170, 263-273.	2.9	41
152	Transposition of the Tol2 Element, an Ac-Like Element From the Japanese Medaka Fish Oryzias latipes, in Mouse Embryonic Stem Cells. Genetics, 2004, 166, 895-899.	2.9	132
153	Transgenesis and Gene Trap Methods in Zebrafish by Using the Tol2 Transposable Element. Methods in Cell Biology, 2004, 77, 201-222.	1.1	247
154	A Transposon-Mediated Gene Trap Approach Identifies Developmentally Regulated Genes in Zebrafish. Developmental Cell, 2004, 7, 133-144.	7.0	767
155	Excision of the Tol2 transposable element of the medaka fish Oryzias latipes in Xenopus laevis and Xenopus tropicalis. Gene, 2004, 338, 93-98.	2.2	49
156	Transposition of the Tol2 Element, an Ac-Like Element From the Japanese Medaka Fish Oryzias latipes, in Mouse Embryonic Stem Cells. Genetics, 2004, 166, 895-899.	2.9	38
157	Proviral insertions in the zebrafish hagoromo gene, encoding an F-box/WD40-repeat protein, cause stripe pattern anomalies. Current Biology, 2000, 10, 463-466.	3.9	107
158	Identification of the Tol2 transposase of the medaka fish Oryzias latipes that catalyzes excision of a nonautonomous Tol2 element in zebrafish Danio rerio. Gene, 1999, 240, 239-244.	2.2	171
159	Excision of the Tol2 transposable element of the medaka fish, Oryzias latipes, in zebrafish, Danio rerio. Gene, 1998, 225, 17-22.	2.2	161
160	Insertional mutagenesis and rapid cloning of essential genes in zebrafish. Nature, 1996, 383, 829-832.	27.8	269
161	A Newly Identified Population of Gastrointestinal Neurons Expressing HCN4 Regulates Retrograde Peristalsis. SSRN Electronic Journal, 0, , .	0.4	0